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FAIRMONT STATE COLLEGE

CATALOG

1965 - 1966

FOR YOUR INFORMATION

CORRESPONDENCE: to avoid delay correspondence should be addressed as indicated below:

- **Admissions**

  For everything concerned with the admission of students, including requests for the college catalogue and other publications, academic credits, and information about fees, address:

  The Registrar and Director of Admissions

- **General College Interest and Development,** address:

  The President

- **The Faculty, Curricula, Instruction, Summer Session, Evening and Extension Classes,** address:

  The Dean of the College

- **Guidance and Counseling, Student Employment, and Placement,** address:

  The Director of Student Personnel

- **Housing,** address:

  The Director of Admissions

- **Scholarships and Loan Information,** address:

  Chairman, Scholarship and Loan Comm.

- **Student Accounts, Deferred Payments, and Purchases,** address:

  The Business Manager

- **Alumni Activities,** address:

  The Alumni Secretary

CATALOG: Students are urged to secure **and to retain throughout the period of their enrollment** a copy of the catalog for the year in which they entered. Unless changes beyond the control of Fairmont State College occur, or an unusually long period ensues between original enrollment and candidacy for graduation, students will be permitted to graduate under requirements prevailing at the time of entrance. Fairmont State College reserves the right to change any provision or requirement of this catalog without notice.

FAIRMONT
STATE COLLEGE

Volume XCIII January 1, 1965 Number 1

GENERAL CATALOG
1965-1966

FAIRMONT, WEST VIRGINIA

FAIRMONT COLLEGE LIBRARY

THE CAMPUS BEAUTIFUL—*Fairmont State College's nearly 80 acres of campus is one of the beauty spots of this section of the state (see identity map on following page). The campus is served by bus lines to residential and shopping*

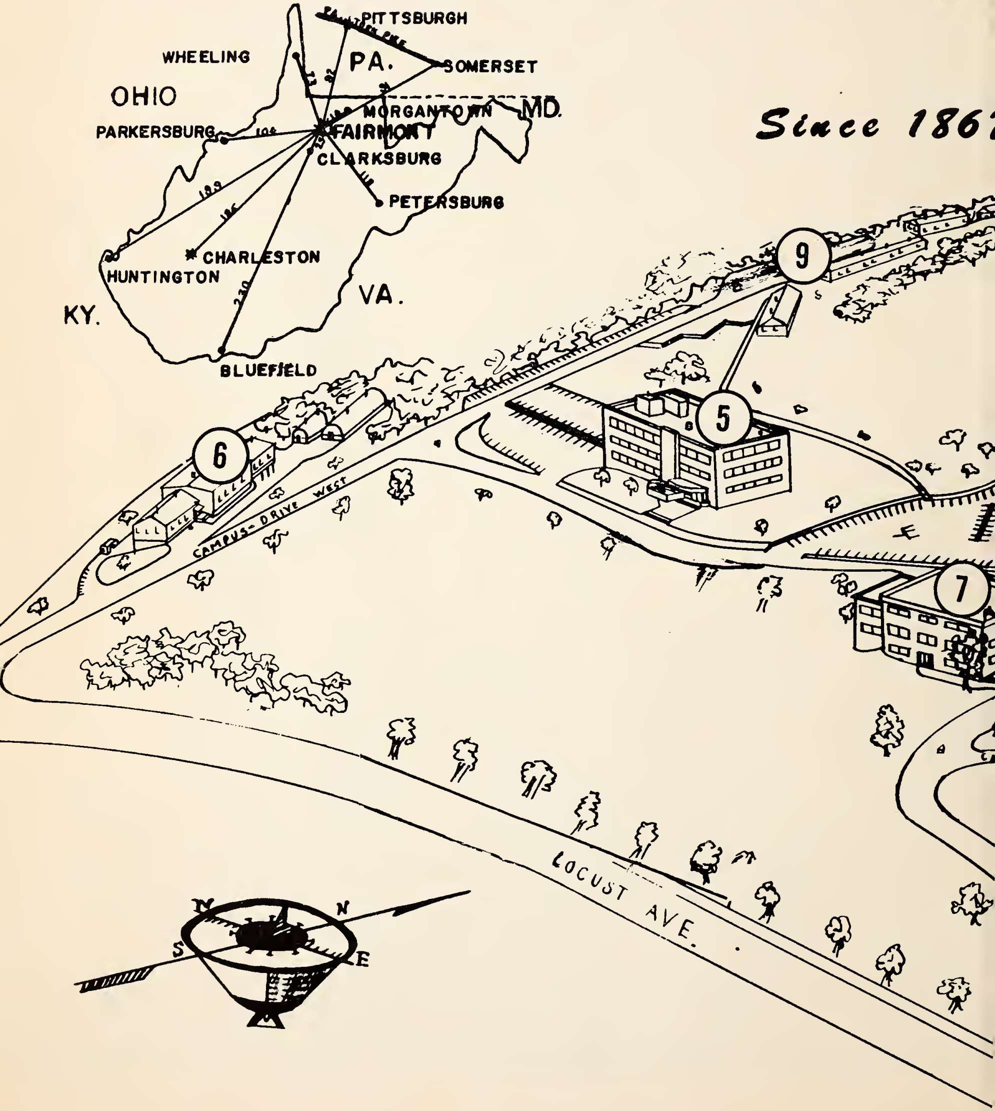
areas, yet it is only a short walk to the downtown area where you may shop at leisure.

CAMPU

Fairmont State Colleg

Fairmont, W

Since 186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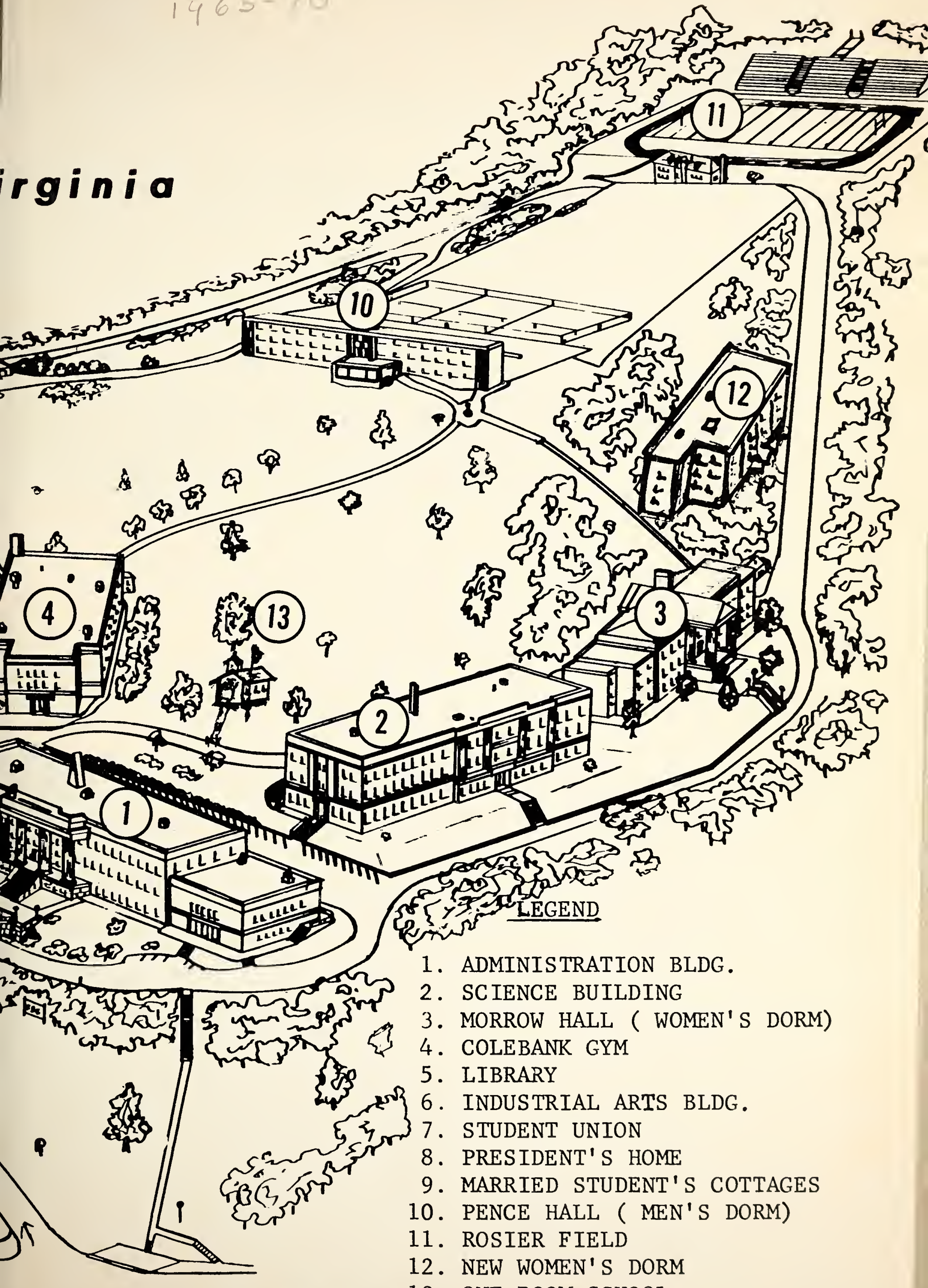

LEGEND

1. ADMINISTRATION BLDG.
2. SCIENCE BUILDING
3. MORROW HALL (WOMEN'S DORM)
4. COLEBANK GYM
5. LIBRARY
6. INDUSTRIAL ARTS BLDG.
7. STUDENT UNION
8. PRESIDENT'S HOME
9. MARRIED STUDENT'S COTTAGES
10. PENCE HALL (MEN'S DORM)
11. ROSIER FIELD
12. NEW WOMEN'S DORM
13. ONE-ROOM SCHOOL

00537

ADMINISTRATION BUILDING—*Oldest and largest building on campus. Completely modernized this past year, its famous columns face Locust Avenue.*

STUDENT CENTER—*The busy center for campus student activity. Also houses College Book Store in basement and snack bar on center floor.*

STUDENT
CENTER

SCIENCE HALL—*Large brick structure housing departments of mathematics, natural and biological sciences, home economics and business administration.*

LIBRARY—*Three-story modern brick structure with air conditioned rooms and nearly 60,000 volumes. Contains film room, music and foreign language listening rooms and special study areas.*

WOMEN'S RESIDENCE HAL

NEW WOMEN'S DORMITORY—*Newest of buildings on campus and housing 150 women students in beautiful surroundings with cafeteria service in adjoining women's hall.*

PENCE HALL FOR MEN—*Located on a commanding site above the main campus and built of light brick. Accomodations for 132 men. Large, modern lounge area.*

ATE COLLEGE
ARCHITECTS & ENGINEERS, INC.

MORROW HALL—*Oldest of two women's dorms, yet recently remodeled with two additional wings to accomodate 124 women. Modern cafeteria located on basement floor.*

COLEBANK GYMNASIUM—*Contains two modern gymnasiums, swimming pool, locker areas, showers, training areas and offices for the physical education staff.*

FALCON FIELD HOUSE—*At present being doubled in size at Rosier Field to provide more dressing room, shower areas and public toilet facilities.*

INDUSTRIAL ARTS BUILDING—*Now serving for industrial and technical training until new Arts Building is completed. Equipped with finest in machinery and other equipment.*

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CALENDAR FOR 1965-1966

June	14	Monday	Registration for First Summer Session
June	15	Tuesday	First Classes, First Summer Session
June	15	Tuesday	Last day of enrollment, First Summer Session, Late fee
June	16	Wednesday	Last day students can enter classes
June	18	Friday	Summer Assembly
June	19	Saturday	Classes will meet on Saturday
July	2	Friday	Classes not in session
July	16	Friday	Final Classes, First Summer Session
July	19	Monday	Registration for Second Summer Session
July	20	Tuesday	First Classes, First Summer Session
July	20	Tuesday	Last day of enrollment, Second Summer Session, Late fee
July	21	Wednesday	Last day students can enter classes
Aug.	20	Friday	Final Classes, Second Summer Session
Sept.	2,3	Thurs.-Fri.	Fall Faculty Conference
Sept.	7	Tuesday	Freshmen arrive on campus
Sept.	7-11	Tues.-Sat.	Freshman Orientation
Sept.	8	Wednesday	Registration for Evening Classes, 6:00-8:00 P.M.
Sept.	10	Friday	Registration for First Semester
Sept.	13	Monday	First Classes, First Semester
Sept.	15	Wednesday	Final Registration, Evening Classes, 6:00-7:00 P.M.
Sept.	16	Thursday	Final Enrollment, First Semester
Sept.	16	Thursday	No new classes added after September 16
Nov.	5	Friday	Mid-semester reports due - 4 P.M.
Nov.	23	Tuesday	Thanksgiving Recess begins - 10 P.M.
Nov.	29	Monday	Classes Resume - 8 A.M.
Dec.	6-10	Mon.-Fri.	Pre-registration, Second Semester, 1965-66
Dec.	17	Friday	Christmas Recess begins - 4 P.M.
Jan.	3	Monday	Classes Resume - 8 A.M.
Jan.	12-18	Wed.-Tues.	Final Examinations, First Semester
Jan.	19-24	Wed.-Mon.	Semester Recess
Jan.	25	Tuesday	Registration for Second Semester
Jan.	26	Wednesday	First Classes, Second Semester
Jan.	26	Wednesday	Registration for Evening Classes, 6:00-8:00 P.M.
Feb.	1	Tuesday	Final Enrollment, Second Semester
Feb.	1	Tuesday	No new classes added after February 1
Feb.	2	Wednesday	Final Registration for Evening Classes, 6:00-7:00 P.M.
March	25	Friday	Mid-semester reports due - 4 P.M.
April	6	Wednesday	Easter Recess begins - 10 P.M.
April	12	Tuesday	Classes resume - 8 A.M.
May	2-6	Mon.-Fri.	Pre-registration, Summer Term 1966, First Semester 1966-67
May	20-26	Fri.-Thurs.	Final Examinations
May	28	Saturday	Commencement - 10 A.M.

FAIRMONT STATE COLLEGE

FAIRMONT, WEST VIRGINIA

Established 1867

1867
97
YEARS
OF SERVICE TO
THE STATE
1964

WEST VIRGINIA BOARD OF EDUCATION

The State Board of Education has complete control over the educational, administrative, and fiscal policies of Fairmont State College. The personnel list of the present board follows:

Charles H. Brown, *President,* Kingwood	1969
Perce J. Ross, *Vice-president,* Buckhannon	1968
Stephen J. Russek, Wheeling	1964
Joseph C. Jefferds, Charleston	1965
A. H. Spangler, Bluefield	1966
Lacy I. Rice, Martinsburg	1967
Anagene P. Bartram, Kenova	1970
S. J. Baskerville, Charleston	1971
Arnold Vickers, Montgomery	1972

Rex Smith, *State Superintendent of Free Schools, member ex officio,* Charleston

H. K. Baer, *Secretary,* Charleston

William Osborne, *Administrative Assistant,* St. Albans

George T. West, *Supervisor of Buildings and Maintenance,* Hurricane

President's Home

Administrative Officers of the College

Eston K. Feaster, Ed.D., *President*

Paul V. Yost, M.A., *Dean of College*

George H. Turley, M.A., *Dean of Men*

Roxy Dillon, M.A., *Dean of Women*

Hunter J. Conrad, M.A., *Director of Student Personnel*

Otis H. Milam, Jr., M.A., *Registrar, Director of Admissions*

Earl N. Straight, M.A., *Director of Public Relations and Alumni Sec.*

Josephine L. Rosier, B.S.L.S., *Librarian*

Wilford R. Wilson, M.A., *Director of Athletics*

Homer W. Cox, B.S., *Business Manager*

Harry C. Fleming, M.D., *Director of Student Health Service*

Edgar L. Williams, Jr., B.S., *Superintendent of Buildings and Grounds*

GENERAL INFORMATION

LOCATION

Fairmont State College is a coeducational institution of higher education located at Fairmont, West Virginia. Fairmont is a city of about 30,000 population, the county seat of Marion County, and the center of the coal industry of northern West Virginia. It is the operating headquarters and home of a number of large coal, utility, and manufacturing concerns. The city offers unusual cultural and economic advantages. It possesses excellent stores, theatres, park and recreation facilities, and churches of all faiths. Community groups provide excellent outlets for local talent. Student and faculty members of Fairmont State College take an active part in community activities. (See maps on page xx and inside cover.)

PURPOSE AND AIMS

Fairmont State College is a four-year state college whose purpose is to serve its area and the state at large by offering such undergraduate curricula in general and vocational education as the West Virginia Board of Education may approve.

Under this board directive, Fairmont State College offers curricula for the preparation of elementary and high school teachers and curricula leading to degrees in the liberal arts and sciences. Besides the courses terminating with the granting of degrees, Fairmont State College offers two-year curricula in several areas and two or three years of pre-professional training in a number of fields.

Evening classes and extension programs offered are designed to meet the needs of in-service teachers of the area to provide local business and professional people opportunities for additional training in their particular fields.

In addition to its formal academic program, the College is interested in participating actively in worthwhile community projects. To that end, it is the policy of the college administration to share with the community the cultural program and physical facilities of the College.

By providing a suitable environment, good equipment, and a well-trained staff, Fairmont State College aims to offer for its students training that should equip them wih vocational and personnel fitness for life, and to provide the community with a source of information and culture.

HISTORY

Founded as a private teacher training school in 1865, Fairmont became a state supported normal school in 1867. Housed originally in space provided by a local church, Fairmont State College has since occupied sites at the heads of Adams Street and at Second Street and Fairmont Avenue in the block now containing the United States Post Office. In 1917 the College was moved to its present location on Locust Avenue.

Fairmont State College is the oldest existing normal school south of the Mason and Dixon Line, and the earliest recipient of aid from the George Peabody Fund. Operated as a teacher training school with some academic work on the secondary school level, Fairmont's scope was widened in 1908 when teachers were permitted examinations. In 1924 Fairmont granted its first bachelor's degree in education on the basis of the completion of a four year college course. In 1931 the Legislature changed the name of Fairmont State Normal School to Fairmont State Teachers College. The title was again changed by the Legislature in 1943 to FAIRMONT STATE COLLEGE, and authorization was given to offer Bachelor of Arts and Bachelor of Science degrees. As a result of these developments, Fairmont is now authorized and equipped to offer a wider educational service to the people of West Virginia than ever before in its long history.

CAMPUS

The Fairmont State College Campus consists of over seventy acres with its principal frontage on Locust Avenue Extension. On a commanding site overlooking much of the city of Fairmont, the college is readily accessible to all students by private car or public transportation.

BUILDING AND EQUIPMENT

Fairmont State College possesses an unusually modern and well-equipped physical plant.

Administration Building — although the oldest and largest building on the campus, it has just been completely renovated and modernized. In addition to the administrative offices, it houses numerous classrooms, and other facilities. Centered by its famous "columns," the Administrative Building presents an impressive frontage to Locust Avenue, one of Fairmont's busiest thoroughfares.

Auditorium — with a seating capacity of 500 persons is located in one wing of the Administration Building. Here dramatic production, concerts, assemblies, and other important campus activities are carried on.

Library Building — is a three story structure of steel, concrete, glass and brick. Functional rather than monumental in design, it emphasizes accessibility of books, attractive informal appearance, good lighting, acoustical treatment and mechanical ventilation. In addition to the usual library facilities and services, there is a typing room for use of students, a number of individual study desks and carrells, music listening facilities, study room for textbooks only, two seminar rooms and a moving picture screening room.

At the present time there are over 58,000 volumes, including sets of exclusive government documents, for which the library is an approved depository. The Library receives many daily newspapers and more than 350 periodicals. It also operates a film rental service for the benefit of the several departments and campus organizations. The Library maintains a collection of over 400 albums of records for faculty and student use.

Science Hall — is a large, light-brick building housing the departments of Mathematics, Natural and Biological Science, Home Economics, and Business Administration.

Colebank Gymnasium — is one of the newer campus buildings. It contains two gymnasiums, one for men and one for women. It also contains a fine swimming pool, classrooms, lockers, showers, equipment and officer rooms. It is constantly in use by the various activities of the Physical Education Department and the campus generally.

Morrow Hall — (Women's Dormitory) is a three-story building which has recently been enlarged by the addition of new wings on each floor. This modernized structure will accommodate 124 women. The college cafeteria is located in this building.

New Women's Hall — is a new, three-story building with accommodations for 150 women and an apartment for the head resident. Meals are served in the College Cafeteria which is conveniently located in an adjacent building.

Pence Hall — (Men's Dormitory), is a new three story, light-brick building, located on a commanding site above the main campus. The building has accommodations for 132 men, and a resident manager. A handsome and commodious lounge area is included. Meals are not served in this building, but in the College Cafeteria.

Cafeteria — is located on the ground floor of Morrow Hall. This area has just been thoroughly renovated and modernized. Service capacity has been doubled. A convenient lounge area for men and women has been provided.

Industrial Arts Building — is a single-story frame building with full basement. It is 195 feet long and contains a central section 75' x 40', and two wings, each 60' x 25'. It is well designed to provide the necessary space for an integrated course in all phases of industrial arts work. A smaller unit of the quonset hut type is available in an adjoining location, for additional offerings in the Industrial Arts field. (new building being constructed)

Music Practice Studio — is situated to the rear of Colebank Gymnasium, provides studios and practice rooms for the Music Department.

Field House — situated on Rosier Field, is equipped with dressing rooms, lockers, and showers for visiting and local football and baseball teams.

Rosier Field — situated at the upper end of the campus, is one of the beauty spots of Fairmont. Space is provided for a large football field, practice fields, baseball diamond and parking space. A concrete stadium capable of seating 5,500 spectators is provided. Nearby are tennis courts. A second athletic field has just been completed above the stadium field for phys. ed., soccer, and practice. Also completed is a field house wing with public toilet facilities, a press box and a concession stand.

President's Home — is a ranch-type structure of brick, situated on a knoll overlooking the main campus.

Campus Apartments — situated in nine barracks-type buildings, are available on the campus for rental to married students. Accommodations are currently available for married men.

Student Union Building — a light-brick building, situated centrally on the campus, contains the snack bar, the College Bookstore, a large ballroom, and other social and operating facilitites. This building is the center for all student activities on the campus.

One-Room School Museum — was brought to campus and reassembled as a Centennial project. Open as tourist attraction, and contains artifacts of yesteryear such as books, stove, recitation bench, school bell, etc.

ACADEMIC INFORMATION

ACCREDITING

Fairmont State College is fully accredited by the North Central Association of Colleges and Secondary Schools and the National Council for Accreditation of Teacher Education. The College also holds membership in the American Association of Colleges for Teacher Education, the Association of American Colleges, the American Council on Education, the National Commission on Accrediting, and the American Association of University Women. These affiliations guarantee to Fairmont State College graduates and students full recognition of their earned credits in other colleges and universities.

DEGREES

The degrees granted by Fairmont State College are Bachelor of Science, Bachelor of Arts, and Bachelor of Arts in Education. For each degree 128 semester hours of credit are required. The number of quality points required for a degree is not less than 256, but may be more, for each student must average two points for each semester hour attempted. This is to say that the quality point average is computed by using all courses entered on the student's permanent record card. No student shall be awarded more than one baccalaureate degree.

ADMISSION

General Admission Procedure—All students desiring admission to Fairmont State College, whether directly from high school or as a transfer student from another college or university, must file an application for admission and health record on forms provided by the Registrar and Director of Admissions. All correspondence relative to admission and all credentials in support of an application must be on file at least two weeks prior to the opening of a semester or term.

Admission of West Virginia High School Graduates—Graduates of approvided West Virginia High Schools are eligible if they rank in the upper three-fourths of the graduating class, have completed at least 17 units of work (including the prescribed units cited below), and have no severe health or character defect. The following high school units are required for admission:

English—4 units
Must be basic English with no substitutes such as speech, journalism, or drama.

Science—2 units
One of which must be biology. The second unit must be a basic science such as general science, chemistry, physical science, physics, etc.

Mathematics—2 units
One of which must be algebra.

Social Studies—3 units
One of which must be American history.

Health and Physical Education—1 unit
Unless waived by the high school principal upon written reccommendation of a physician.

Foreign Langage—2 units recommended
The two units should be in the same language.

Graduates of approved secondary schools who rank in the lower quarter of the graduating class may be admitted provided they have attained a composite standard score of 14 or above on the American College Test administered during the senior year or summer prior to admission to college.

Admission of Out-of-State Students—To be considered for admission, applicants whose legal residence is in a state other than West Virginia must rank in the upper one-half of their graduating classes, meet the subject matter pattern required for resident students, complete the ACT test and have the recommendation of their high school principal or counselor. The final decision as to eligibility is based on a combination of the above factors.

Foreign Students—To be admitted, the foreign student must demonstrate proficiency in written and spoken English. Such proficiency can be established by the successful completion of the Test of English as a Foreign Language, administered by the Education Testing Service of Princeton, New Jersey, 08540. Information concerning this test can be secured through U. S. Embassies and Consulates throughout the world or by writing to TOEFL, 1755 Massachusetts Avenue, N.W., Washington, D. C., 20036.

The applicant must also file an application for admission, a health form, and an official transcript of all academic credits and grades. The transcript must be sent by the institution last attended. The application for admission may be secured by writing to the Director of Admissions, Fairmont State College, Fairmont, West Virginia, 26554.

Admission of Superior and Talented High School Students—The West Virginia Board of Education has authorized the admission of a limited number of outstanding high school students, either in the summer following completion of their junior year in high school or on a part-time basis during their senior year in high school on the following basis:

1. Have completed the junior year of the college-bound curriculum of his high school.
2. Have a B+, or better, average on high school subjects in the college-bound curriculum.
3. Have the recommendation of his high school principal.
4. File an application for admission and submit transcripts of high school credits and grades.
5. Be approved by the Director of Admissions.
6. Pay regular college fees.

The credit earned under this arrangement is college credit and will be "stored" here and granted to the student when he enrolls in college. Should he enroll in another college, a transcript of the work will be forwarded to that institution. The decision as to whether advance standing credit is granted is, of course, left to the discretion of the receiving institution.

This program is not designed to interfere with the regular high school program. Rather, it affords an opportunity for superior students to accelerate their training if they so desire.

Admission by G. E. D. Test—Non-high school graduates (veterans and persons over age of 21) will be admitted if they attain a standard score of

40 on each of the five parts of the General Education Development Test or an average standard score of 50 or above on the entire Test. Such students must have no severe character or health defect. G. E. D. scores must be sent direct to the Registrar and Director of Admissions from USAFI or from the testing center.

Admission of Transfer Students—Any applicant for admission to Fairmont State College who has attended another institution of collegiate rank will be classified as a transfer student, whether he has earned credit or not. The college does not under any condition disregard college or university credits earned elsewhere. Credit earned at other accredited colleges and universities will be allowed toward a degree if applicable.

To be admitted as a transfer student, one must meet the entrance requirements of Fairmont State College, must present evidence that he is in good standing in every respect at the institution last attended, and must have maintained a "C" (2.0) or better average on all college work previously attempted. Students who have been dismissed for academic or social reasons will not be eligible for admission. Students whose scholastic average is below "C" (2.0) in previous college work may be admitted on probation if such an admission seems warranted. In no case shall a student be admitted whose record is such that he would have been dropped at Fairmont State College.

Transfer credits are posted on the permanent record as received. All grades received by a transfer student in the college or colleges which he has previously attended must be included in the calculation of his quality point average even though some of the grades do not represent courses for which credit can be granted. Grades earned in other institutions shall not be used to make up a deficit of quality points in this instiution except as provided by Board order.

To be official, a transcript must come direct from the institution issuing it and must bear the official seal of the institution, and the manual signature of the proper authority. The transcript should show the descriptive title of the courses, the year in which the work was done, the number of credits, and the grades. Transcripts, when accepted, become the permanent property of the college and will not be returned to the student. Such transcripts should be sent at least thirty days prior to the opening of the semester or term.

No credit of collegiate grade will be allowed for work done in the former normal training schools, except as authorized by the West Virginia State Board of Education. By the action of the board five-eighths college credit may be allowed for such work up to a maximum of 20 hours, provided credit was earned after graduation from high school.

General Requirements for All Applicants for Admission—All credentials submitted in support of an application for admission become the property of the College and will not be returned to the student. Such credentials include an official transcript of high school or college grades, an application for admission and a health record. The prospective student is responsible for the submission of all necessary forms and records in support of an application for admission.

Admission is for one semester or term and may be used only for that time. If the student fails to register during the semester or term for which he has been admitted, he must file another application if he desires admission at a later date.

Admission does not guarantee housing. Separate applications for dormitory space must be submitted to the Registrar and Director of Admissions.

Any student admitted upon the basis of false and/or incomplete credentials will be subject to immediate dismissal from the college.

The American College Test—Fairmont State College requires the American College Test (ACT) of all applicants for admission. Scores on this test are used in placing students in English and Mathematics, for applicants for scholarships and loans, and in the academic counseling program. High school students are urged to take the test during their senior year. Scholarship and loan applicants must take the test either in November or February. Information concerning the test may be secured from the high school principal or counselor.

PRE-REGISTRATION

All freshmen and transfer students are urged to pre-register during the summer preceding enrollment. Freshmen students who have taken the ACT Tests during their senior year in high school are given priority. Students who have not taken the ACT Test will be permitted to undergo testing during the summer. No student will be pre-enrolled unless or until he completes the ACT Test. All new students are expected to pre-register unless they live at such a distance from Fairmont as to make a special trip an undue hardship. It is understood, however, that students who participate in the pre-registration program will be given priority in making schedules.

Transfer students who have been fully admitted may be pre-registered by coming to the campus at a time arranged with the Registrar. All transfer students should avail themselves of this opportunity since it simplifies the transfer process.

A pre-registration period for regularly enrolled students is scheduled each semester. The purpose of pre-registration is to insure students adequate schedules. All students must pre-register if they plan to re-enroll for the following semester or term.

REGISTRATION

At least one month prior to registration day an official transcript of credit must be filed in the Office of the Registrar and Director of Admissions for each incoming freshman and each transfer student.

All students are expected to complete registration on the days designated for this purpose at the beginning of each semester or term. Registration by proxy is prohibited. While all students are expected to register on time, late registration periods are permitted within prescribed limits as set forth in the schedule. Late registration fees are assessed in accordance with the fee schedule cited under Special Fees.

SEMESTER HOURS—DEFINITION

The semester hour is the basis of college credit within the institution. A lecture-recitation course meeting one period a week for a semester carries one semester hour of credit; if meeting two periods; two semester hours of credit. Laboratory courses, however, require a minimum of two periods a week for each semester hour of credit.

GRADING SYSTEM

The following system of grading is used within the institution:

A—Superior, given only to students for exceptional performance.
B—Good, given for performance distinctly above the average in quality.
C—Average, given for performance of average quality.
D—Lowest passing grade for performance of poor quality.
F—Failure. Course must be repeated if credit is to be received.

FIW—Failure because of irregular withdrawal.

I—Incomplete, given to a student who misses a part of the course for a reason the instructor recognizes as a valid excuse for delay in completing the assignments. Unless the work missed is completed within a year from the date the mark is recorded, the I automatically changes to an F.

WF—Withdrew Failing, from one class or from college.

WP—Withdrew Passing, from one class or from college.

QUALITY POINTS

The quality of a student's work is indicated by quality points.

Candidates for graduation must have at least twice as many quality points as semester hours, attempted, that is, a point-average of 2.00 on all college work and on all work completed at Fairmont State College. Quality points for grades A, B, C, D, are computed as follows:

A—Four (4) quality points for each semester hour of credit.

B—Three (3) quality points for each semester hour of credit.

C—Two (2) quality points for each semester hour of credit.

D—One (1) quality point for each semester hour of credit.

A student's grade average is determined by dividing the number of his quality points by the number of credit hours he has scheduled. No quality points are attached to grades F, FIW, and WF, but the credit hours for the courses in which these grades are received will be used in computing his grade average.

In order to be graduated, a candidate for a degree must have maintained a quality point average of 2.00 or better in all college courses and in all credit earned at FSC. An average of 2.00 must also be maintained in the major and minor fields of study and for the remaining semester hours taken collectively if the student is a candidate for the A. B. or B. S. degree. If the student is in teacher education, he must maintain an average of 2.00 in each teaching field and/or minor assignment and in education courses. Grades earned in other institutions shall not be used to make up a deficiency of quality points in this institution except as provided by Board order.

It is the student's responsibility to keep informed of his quality point standing. This information can be obtained at any time from the Registrar.

CLASSIFICATION OF STUDENTS

Students who have completed not less than 90 hours of college work are classified as seniors.

Students who have completed not less than 58 hours and not more than 90 hours of college work are classified as juniors.

Students who have completed not less than 26 hours and not more than 58 hours of college work are classifield as sophomores.

Students who have completed the high school or secondary course and not more than 26 hours of work are classified as freshmen.

NUMBERING OF COURSES

Courses for freshmen (100 series) and sophomores (the 200 series) constitute the lower level of curriculum. Courses numbered 300-499 are primarily for juniors and seniors. Almost all general education requirements consist of lower level courses which should be completed as far as possible by the end of the sophomore year.

CREDIT FROM A JUNIOR COLLEGE

The maximum credit accepted from a Junior College accredited by the North Central Association of College and Secondary Schools or other regional accrediting associations will not exceed 72 semester hours. No more than 64 semester hours may be accepted from junior colleges which are not regionally accredited. No credit will be allowed for courses completed in a junior college subsequent to attainment of junior or higher rank by the student.

NON-RESIDENT OR OFF-CAMPUS CREDIT

One hundred (100) semester hours of the 128 required for graduation shall be completed in regularly scheduled campus courses. The 28 hours of permissible non-residence courses may be earned by extension, home study (correspondence), radio, television, special examination and/or army service. Credit earned in home study will be accepted only when earned in a regionally approved college.

ASSIGNMENTS AND CREDITS

1. Semester Load: A student who enters at the beginning of a semester may be assigned an 18 hour schedule, but not more, except by permission from the Registrar. An adviser may not give permission for more than eighteen hours.

2. Late Registration Fees. See p. 20 under special fees for schedule of fees for the late registration. It should be understood, however, that late registrants often fail to obtain satisfactory schedules, for the policy and practice of the College is to give priority to students who register on the dates for regular registration.

3. Schedule Changes: Students must petition the Committee on Admissions and Credits to make schedule changes after the third week of a semester or the second week of a summer term.

Students may not add new classes to their schedule after the period of registratiton has ended. An exception is made for classes which begin at midterm. Registration for these classes, however, must be completed before the classes start.

4. Withdrawal from College: A student desiring to withdraw from the College will apply at the Registrar's Office. Here forms will be obtained, which when completed with the proper signatures and returned to the Registrar's Office, will constitute an official withdrawal. The instructor records on the Final Grade Report to the Registrar, a W for students withdrawing during the first six weeks of a semester or two weeks of a summer term. In case the official drop notice is issued after one-third of the semester or term, the instructor will record either WP or WF at the end of the period of enrollment.

No withdrawals may be made from individual classes after mid-semester. If a student drops a part of his academic load after nine weeks of the semester or three weeks of the summer term have elapsed, an F or FIW will be recorded for each course dropped. Where a student withdraws regularly from college after nine weeks of the semester or three weeks of the summer term have elapsed, the instructor will record a WP or WF, as the case may be. Such grades will be used as a part of the student's record for the semester in determining his eligibility for enrollment later.

A student who withdraws from the college without formal notice to the Registrar will receive at the end of the semester a grade of "FIW" in each subject for which he is registered.

5. Repeating a course: With the approval of his adviser, a student may repeat a course in which he has received an F or a D. When this is done, both grades will be recorded and used in computing the student's point average.

6. Minimum Residence Requirements for Graduation: For a degree, at least one year's work in residence is required, one semester of which must be in the senior year. A "year of residence" must represent not less than 32 week's work in residence and 32 hours credit. A semester is defined as a minimum of 18 weeks and 16 hours credit.

Exception is made in the case of any student who has completed three years of required work in Fairmont State College and who wishes to complete the senior year by substituting approved credit earned subsequently in a college of medicine, or dentistry.

7. Application for Graduation: Candidates for graduation must make official application for a degree at least 45 days before Commencement Day. Applications will be filed with the Registrar.

8. Assignment and Credits: Regularly enrolled students who desire to complete work at another accredited institution on a transient basis must secure written permission of the Registrar and Director of Admissions to do so. Transient credit completed without permission will not be accepted.

DEAN'S LIST

Students who are registered for twelve or more hours and who at the end of the semester receive grades averaging B or above are considered honor students and a list of such students constitutes what is known as the "Dean's List."

FRESHMAN HONORS LIST

Freshmen at Fairmont State College who earn an average of 3.5 or better on minimum load of 16 semester hours for the first semester of their college enrollment are distinguished by being named on the "Freshman Honors List."

GRADUATION WITH HONORS

Candidates for graduation who have achieved special distinction in academic work are graduated with honors. Honors are determined by the cumulative quality point average of student's work at graduation. Three grades of honors are recognized: **cum laude** for a point average of 3.0 to 3.49; **magna cum laude** for a point average of 3.50 to 3.74; and **summa cum laude** for a point average of 3.75 or better. Averages are based upon the entire academic record of the student, excluding grades earned during the last semester or term.

TRANSCRIPTS

Every student at Fairmont State College is entitled to one official transcript of his record free; for each additional copy a fee of one dollar ($1.00) will be charged. **No student who fails to meet his financial obligations to the College; or any department of the college, will be given a transcript.**

An application for a transcript of credit should furnish the date of last attendance at Fairmont State College, and a married woman should give both her maiden and married names. All requests for transcripts should be sent directly to the Registrar.

AUDITORS

Students who are registered in Fairmont State College may be permitted to attend classes as auditors provided they shall have obtained the written permission of their advisers and of the instructors in the classes they desire to visit. No person who enrolls in any class as an auditor may in the same semester, term or later be considered as enrolled in this class for the purpose of obtaining credit. In no case whatsoever will auditing be regarded as a factor in obtaining credit.

Students eligible to attend classes as auditors may obtain proper permission blanks from the Registrar. Other persons, even if not registered students, may attend classes as auditors upon securing permission from the Registrar and from the instructors involved, upon payment of the regular fee. Auditors are required to complete the regular registration forms.

ATTENDANCE AND ABSENCES

Attendance. A student is expected to attend regularly class and laboratory sessions on courses for which he is registered. Regular attendance is a prerequisite for the successful completion of a course of study and is an integral part of a student's educational experience. Failure to attend class regularly may result in a lowering of the class grade, or may lead to failure in the course.

Absences. In the administration of its attendance policy, the College distinguishes three kinds of absences: (1) An institutional absence results from participation in an activity in which the student officially represents the College. (2) an unavoidable absence results from illness, death in the immediate family, or unnatural cause beyond the control of the student. (3 All other absences are willful.

It is the responsibility of the student to provide his instructor with a satisfactory explanation of institutional or unavoidable absence. Failure to do so automatically makes the absence "willful."

There is no category of "excused" absences, authorized "cuts" or "double cuts."

Responsilbitiy for Class Work. Irrespective of the nature of the absence, a student is responsible for maintaining his personal academic standing.

In the case of institutional and unavoidable absences, an instructor will provide the student an opportunity to make-up work. The student, however, bears the responsibility for making arrangements with each instructor for completing assignments and tests.

In the case of willful absence, an instructor is not responsible for the make-up work.

REPORTS TO STUDENTS

The grades of all students are reported by each faculty member to the Registrar at the middle and end of the semester. Faculty advisors are provided complete grade reports at each reporting period. Students receive grade reports at mid-semester and again at the end of the semester. The grade reports of freshmen earning one or more grades of "D" or lower are forwarded to the parents at mid-semester by the Director of Student Personnel.

SPECIAL EXAMINATIONS FOR COURSE CREDIT

Students may take special examinations to qualify for credit in certain courses. For further information as to the courses covered in this manner, students should contact the Student Personnel Office. All tests are administered by the College Testing Service.

Applications must be made to the Registrar for permission to take a special examination. To qualify for permission to take such an examination, an applicant must be enrolled or must have completed successfully one semester or summer session in Fairmont State College. The applicant must, in addition, establish eligibility in regard to his background in the area concerned. In order to gain college credit by special examination, the student must demonstrate better than average proficiency in the course. Examinations will not be given for courses in which the student has obtained a low grade previously.

Applicants must pay a fee of $3.00 for each special examination, if regularly enrolled at the time of taking the examination; otherwise the fee is $2.50 per semester hour of credit to be received. A receipt for the payment of the fee must be obtained from the cashier's office. No money will be refunded if any examination is failed. No examination may be repeated.

First semester freshmen may establish course credit by examination in the following courses without the payment of special examination fees: English 102—First Year Written and Spoken English—3 hours; French 101 and 102—Elementary French—6 hours; Home Economics 101—Principles of Clothing Construction—2 hours; Home Economics 201—Principles of Food Selection and Preparation—3 hours. An additional condition precedent to the granting of credit is enrollment by the student in the next higher course.

Based on the high school record and performance on the ACT, the Registrar will prepare a list of students who will be eligible to take the final test for credit. The procedure for establishing eligibility to take the examination for credit is as follows:

English—A "B" average in four units of high school English and a percentile score of 75 or above on the English part of the ACT, using college-bound norms.

French—A "B" average in two units of high school French and a percentile score of 75 or above on the English part of the ACT, using college-bound norms.

Advance Standing—Students who are majoring in foreign languages will be granted advance standing credit for required lower level courses if they are able to complete higher level courses with grades of "C" or better. For example, a student presenting two or more high school units of French should normally enroll in French 201, Intermediate French. If a grade of "C" or better is earned in French 201, credit is established for French 101 and 102.

The Director of Student Personnel will notify eligible students of the time and place of the advanced placement examinations, to be given during orientation week. Tests will be administered by the Director of Student Personnel.

ENGLISH PERFORMANCE EVALUATION

All students enrolled after June 1, 1962, are to be evaluated for competency in the use of English. The evaluation is as follows:

a. Students who are awarded letter grades of A, B, or C in the course English 208 shall be judged competent in the use of the English language.

b. Students who receive a D in English 208 are required to enroll immediately in English 208R, a remedial English composition course;

c. English 208R shall be taken without credit until the instructor of the course is satisfied that the student is capable of acceptable usage of the English language.

d. After the completion of a semester of English 208R the instructor may at his own discretion submit for evaluation representative essays from any student to a committee of the English faculty appointed by its chairman. This committee, which shall be known as the English Performance Review Board shall be empowered to make recommendations to the instructor with regard to individual cases.

PROBATION AND SUSPENSION

1. If and when a student becomes 10 or more points deficient, he will be placed on probation.

2. If and when a student becomes 20 or more points deficient he will be suspended.

3. If a student remains on probation for three consecutive semesters, he will be suspended.

4. To be removed from probation, a student must establish an average of 2.00 in all work attempted.

5. Twelve or more calendar months after his suspension a student may petition for readmission.

6. A student, 20 or more quality points deficient, if conditionally readmitted, must reduce his quality point deficiency by at least 8 quality points per semester or be suspended.

7. Two suspensions from any institution(s) of higher education are final.

8. The status of any student transferring from another institution of higher education will be determined in accordance with the above rules.

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COLLEGE FEES

ENROLLMENT FEES:

West Virginia Students:

Tuition (8 hours and above)	$ 25.00
SPECIAL REGISTRATION FEE (12 hours and above)	50.00
Student Activity Fee	14.50
Course Fee	3.00
Student Union Fee	7.50

*Non-Resident Students:

Tuition (8 hours and above)	$175.00
SPECIAL REGISTRATION FEE (12 hours and above)	50.00
Student Activity Fee	14.50
Course Fee	3.00
Student Union Fee	7.50

Part-Time Fees, West Virginia Students: Regular Semester (Less than 8 hours):

1 Semester Hour	$ 5.00	plus $1.00 Course Fee
2 Semester Hours	8.00	plus 1.00 Course Fee
3 Semester Hours	10.00	plus 1.00 Course Fee
4 Semester Hours	13.00	plus 1.00 Course Fee
5 Semester Hours	16.00	plus 1.25 Course Fee
6 Semester Hours	19.00	plus 1.50 Course Fee
7 Semester Hours	22.00	plus 1.75 Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour	

All part-time students must pay a Student Union Fee.
1 to 4 hours inclusive $3.00. 5 to 7 hours inclueve $4.00.

Part-Time Fees, Non Resident Students: Regular Semester (Less than 8 hours):

1 Semester Hours	$ 15.00	plus $1.00 Course Fee
2 Semester Hours	30.00	plus 1.00 Course Fee
3 Semester Hours	45.00	plus 1.00 Course Fee
4 Semester Hours	60.00	plus 1.00 Course Fee
5 Semester Hours	75.00	plus 1.25 Course Fee
6 Semester Hours	90.00	plus 1.50 Course Fee
7 Semester Hours	105.00	plus 1.75 Course Fee

SPECIAL REGISTRATION FEE (1 to 11 hours inclusive), $4.00 per credit hour.

All part-time students must pay a Student Union Fee.
1 to 4 hours inclusive $3.00. 5 to 7 hours inclusive $4.00.

STUDENTS CARRYING 8 HOURS AND ABOVE ARE REQUIRED TO PAY THE STUDENT ACTIVITY FEE OF $14.50.

All Day Students ID card fee $1.00.

SUMMER SCHOOL FEES:

West Virginia Students:

Tuition (4 hours and above) one term	$ 15.00
Tuition (4 hours and above) two terms	30.00
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Activity Fee (Payable one term only)	2.00
Course Fee $1.50 (payable each term)	3.00
Student Union Fee (payable one term only)	7.50

Non-Resident Students:

Tuition (4 hours and above) one term	$ 58.00
Tuition (4 hours and above) two terms	116.00
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Activity Fee (payable one term only)	2.00
Course Fee $1.50 (payable each term)	3.00
Student Union Fee (payable one term only)	7.50

Part-Time Student Fees, West Virginia Students:

1 Semester Hour	$ 5.00 plus $1.00 Course Fee
2 Semester Hours	10.00 plus 1.00 Course Fee
3 Semester Hours	15.00 pllus 1.00 Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Union Fee (1 to 3 hours inclusive)	4.00

Part-Time Student Fees, Non-Resident Students

1 Semester Hour	$15.00 plus $1.00 Course Fee
2 Semester Hours	30.00 plus 1.00 Course Fee
3 Semester Hours	45.00 plus 1.00 Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Union Fee (1 to 3 hours inclusive)	4.00

AUDITING FEE:

Auditing Fee is the same rate as the Semester Hour Fee.

NON-CREDIT COURSES:

The fee for non-credit courses, institute, conferences, etc., is equivalent to the auditing fee:

a. Minimum enrollment of fifteen:
   1. Equivalent of one semester hour credit, $10.
   2. Equivalent of two semester hours credit, $20.
   3. Equivalent of three semester hours credit, $30.

b. Enrollment of less than fifteen:
   1. Pro-rate increase in fee to equate minimum enrollment.

SPECIAL FEES:

**Chemistry Breakage Fee	$ 5.00

Late Registration Fee.	
1st day	10.00
2nd day	12.00
3rd day	13.00
4th day	14.00
5th day	15.00
Graduation Fee (Inc. cap and gown)	6.00
Freshman Orientation Fee	1.50
Transcript Fee (First Transcript is furnished free)	1.00
Special Examinations for course credit (Regularly enrolled students)	3.00
Special Examinations for course credit (Non-enrolled students) per semester hour	2.50
Special Fee for Driver Education Course:	
Regularly enrolled students	5.00
Non-Enrolled Students	15.00
Special fee for Industrial Arts, per card	5.00

(Industrial Arts classes requiring basic materials for course instruction shall purchase $5.00 material cards in the Business Office. Some classes may require more than one card to complete the course.)

* The term "resident" as hereinafter used refers to classification for fees purposes only.

** Assessed each student enrolled for any chemistry laboratory course. Unused portion, if any, will be refunded at end of school year. In event of unusual breakage, an amount to cover same may be assessed.

REGULATIONS GOVERNING CLASSIFICATION OF STUDENTS FOR PURPOSE OF ASSESSING TUITION FEES — REVISED JUNE 11, 1964

The following definitions, general policies, and regulations will apply to non-resident students:

The term "residence" as used herein means "domicile, legal abode, or permanent residence," and the term "resided in" means "domiciled in."

The residence status of a student is determined at the time of his first registration at a state college or university, and his residence is not changed by his attendance as a student at such college or university. This policy shall apply to both graduate and undergraduate students regardless of any scholarships, student assistantships, loans or graduate assistantships that may be granted to any student.

A non-resident student is hereby defined to be a student of less than twenty-one years of age, living away from his family and whose family resides in another state, or whose family has not resided in West Virginia for the twelve months immediately preceding the date of first registration; or a student of twenty-one years of age or over, who resides out of the state or who has not been a resident of the state twelve months subsequent to his twenty-first birthday or for the twelve months immediately preceding the date of first registration.

The legal residence of one who is under twenty-one years of age is that of the father. Upon death of the father, the legal residence of the minor is that of the mother. Upon divorce of the parents, the residence of the minor is determined by the legal residence of the person to whom custody is granted by the court. In absence of any grant of custody, the residence of the father continues to control. Upon death of both parents, the legal residence of the minor continues to be that of the last surviving parent until he becomes twenty-one.

Individuals who have come from without the State of West Virginia and who register in a state college prior to having resided in the state for a period of twelve months shall be classified as non-resident students; and such non-resident student classification shall be presumed to be correct as long as the residence of such individuals in the state is during their attendance at educational institutions, regardless of whether such individuals have become qualified voters, have registered motor vehicles and paid personal property taxes thereon, have obtained West Virginia drivers' licenses, or have otherwise attempted to establish legal residence within the state.

A student under twenty-one years of age shall not be classified as a resident student until his parents shall have maintained legal residence ("domicile") in this state for at least twelve months. A West Virginia student whose parents or guardian move out of the state of West Virginia after his original enrollment, will automatically become liable for the non-resident fee at the next registration period after twelve months following removal of parents or guardian.

Individuals of twenty-one years or age or less whose families have not resided in West Virginia for the twelve months immediately preceding the date of first registration shall be classified as non-resident students regardless of whether such individuals have become the legal wards of residents of West Virginia or have been adopted by residents of West Virginia while such individuals are attending educational institutions in West Virginia or within a year prior to such an attendance or under circumstances indicating that such guardianship or adoption was for the purpose of obtaining status as a resident student.

The residence of a minor student assigned to a guardian shall be considered affected by such assignment, beginning twelve months after the appointment of the guardian; the provisions stated above with respect to parents' residence shall then apply to the guardian's residence.

An alien who has taken out his citizenship papers and has had a home, permanent abode and legal domicile in West Virginia for twelve months immediately preceding the date of his enrollment in a state college shall be regarded as eligible for registration as a West Virginia student.

Persons who are moved into the state as the result of military orders from the government, or the minor children of such persons, are entitled to admission as in-state students beginning twelve months after establishing domicile or abode in the state.

Marriage, alone, to a West Virginia resident will not change the status of a non-resident student in a West Virginia state college. Employment of his spouse does not change his status.

An individual on active Federal military service may be classified as resident for the purpose of payment of fees providing that he resided in West Virginia for a period of twelve months continuously prior to entrance into military service, that he entered the military service from West Virginia, and that he has at no time while in military service claimed, or established, legal residence in any other State of the United States or its possessions. Sworn statements attesting to these conditions shall normally be required. The wife of such individual as described above, and children under the age of twenty-one, shall also be classified as residents of the State of West Virginia for fee purposes.

The student must have the question of his legal residence passed upon previous to registration and payment of fees. The responsibility of registration under proper residence is placed upon the student. If there is a possible question as to residence, the matter should be brought to the attention of the Admissions Officer and passed upon at least two weeks previous to registration and payment of fees. Any student found to have made a false or misleading statement concerning his residence shall be subject to dismissal from the college.

PAYMENT OF TUITION AND FEES:

The regulations of the West Virginia Board of Education provide that "No financial credit of any type shall be extended to any individual either student or other, at any state college or institutiotn. All colleges and institutions shall operate strictly on a cash basis with all payments and obligations being collected in advance. All tuition and fees must be collected in full for each semester on enrollment day for each semester."

REFUND POLICY FOR TUITION AND FEES:

A student who withdraws regularly from the college may arrange for a refund of his fees in accordance with the following schedule. Refunds are determined from the first day of the school term which begins officially with Freshman Orientation Week.

18 Weeks (Semester)	
During first and second weeks	90%
During third and fourth weeks	70%
During fifth and sixth weeks	50%
Beginning with seventh week	No Refund

*5 Weeks (Summer Term)	
During first week	90%
During second week	70%
During third week	50%
Beginning with fourth week	No Refund

RESIDENCE HALL EXPENSES—MEN AND WOMEN

Room Rent (18 Week Semester) $108.00 per semester per person.

Room Rent (Five Week Term) $25.00 per student—occupancy two students per room.

Room Rent (Five Week Term) $30.00 per student—occupancy one student per room.

Board (18 Week Semester) $198.00.

Board (Five Week Term) $42.50.

***A three percent Consumers Sales Tax is payable on all Room and Board charges of more than one dollar; two percent, on amounts of one dollar.**

CAMPUS APARTMENTS:

Apartments (per month) $30.00, $35.00, and $40.00 depending on size.

A $25.00 deposit fee is required of all students living in the campus apartments.

Apartment rent must be paid in advance and must be paid no later than the third day of each month.

PAYMENT ON ROOM AND BOARD:

Room Rent (18 weeks semester) must be paid in full on Registration Day.

Board (18 week semester) must be paid in advance either on a semester or a quarterly basis.

Room Rent (5 week term) must be paid in full on Registration Day.

Board (5 week term) must be paid in full on Registration Day.

Board and Room Rates are subject to change.

(All fees are subject to change by action of the West Virginia Board of Education.)

ROOM RESERVATIONS:

A deposit of $20.00 must accompany the room application. The $20.00 reservation deposit is refundable if notice of cancellation is received on or before June 15. If applicant enrolls, ti is held as a breakage fee to be refunded at the conclusion of the year if the room is not damaged. To insure full occupancy of the dormitories, all students are required to pay one month's rent, $20.00, (this is in addition to the reservation deposit) by June 15. This sum will be credited toward the room rent of $108.00 upon enrollment. Failure to pay the one month's room rent of $20.00 by June 15 will result in automatic cancellation of the room reservation. The reservation deposit of $20.00 will be refunded in such instances. If both the room reservation deposit and one month's room rent have been received, and notice of cancellation is received after June 15, both will be forfeited.

STANDARDS FOR DORMITORY LIFE:

1. All students not living at home are required to live in the residence halls, unless other arrangements are made with the Dean of Men or the Dean of Women.

2. A deposit of $20.00 is required of all students living in the dormitory. The deposit on rooms, less assessments, is refundable at the close of the school term.

3. Room deposits, less any charge for damage and/or breakage, will be refunded to students withdrawing during a term or semester only upon the recommendation and written approval of the Dean of Men, Dean of Women, or Director of Student Personnel and Guidance, with the exception that in no case will a refund be made for any student withdrawing for disciplinary reasons or by disciplinary action. The $20.00 deposit fee is forfeited if the student does not cancel the room reservation before June 15 or 25 days before the opening of the 2nd semester.

4. All students living in the residence halls must take their meals in the college cafeteria.

5. No evening meal will be served in the college cafeteria on Sunday.

6. Residence halls will be closed during the Thanksgiving, Christmas, and Spring recesses.

7. Room rental for a semester must be paid in full on Registration Day.

8. Board must be paid in advance either by the quarter or by the semester.

9. Dormitory residents must furnish curtains, bedspreads, blankets, pillow, wastebasket, and study lamp.

10. All dormitory students must subscribe to a linen service that supplies fresh bed linens and towels weekly.

FAIRMONT COLLEGE LIBRARY

11. A student who is absent from a residence hall for seven or more consecutive days will not be charged for meals, provided that the Food Director is notified in advance. No deduction in room rent, however, will be allowed regardless of the cause of absence.

12. Students are not permitted to move from the dormitories during the school year except to leave school or move home.

13. If there are no vacancies in the dormitories and a student must live off-campus, such living quarters must be approved by the Dean of Men or the Dean of Women before they may be occupied. A file of approved rooms for rent is maintained in the offices of the Deans.

A student living off-campus must show his correct, complete local address, as well as the name of his landlord, on his schedule cards. This registration of local address must be completed within 24 hours after hte student establishes living quarters in the Fairmont area.

Any changes in local addresses made during the school year must be reported to the office of the Dean of Men or Dean of Women immediately.

STUDENT WELFARE

STUDENT PERSONNEL SERVICES

Fairmont State College maintains many services of great value to all students with the aim of assisting each student to adjust to his school environment and get the most from his college experience. A centrally organized student personnel program is provided through the Office of the Director of Student Personnel. The services include freshman orientation; testing, educational, vocational and personal counseling; placement service after graduation; student employment on and off campus; scholarship and loan information; student insurance; and other services pertinent to student welfare in general.

All students enrolled for eight or more hours of credit must have an identification (I.D.) card. This card is used as identification for and admission to school activities. The picture for the card will be taken at the time of preregistration in the summer or in the fall for students who do not pre-register The student pays $1 for the card, which is good for the entire period of attendance. It must be validated in the Office of Student Personnel each semester.

HOUSING FOR MEN

Pence Hall is a new, modern dormitory providing living quarters for 132 men. It is located on the hill above the main portion of the campus, commands a splendid view of much of the campus and surrounding area. The student rooms are furnished with built-in wardrobes, study desks, and shelves for books. Beds, mattresses, and chairs are new. A large and well-appointed lounge is located on the first floor. Parking and recreational facilities are located at the rear of the building.

The College also maintains a limited number of one and two bedroom apartments for married students. These units are partially furnished.

The fees charged for residence in the dormitory are listed on page

HOUSING FOR WOMEN

Two modern, conveniently located dormitories are available for women. Morrow Hall built in 1922 has been thoroughly renovated and refurnished. Two new wings have been added. The new Women's Hall, completed in September 1964, provides the utmost in comfort and convenience for the college woman.

Both dormitories feature built-in wardrobes, study desks and book shelves. Within each residence hall there are facilities which will create a homelike atmosphere. Included are lobbies, lounging and recreational areas, vending machines and coin-operated laundry equipment.

TESTING AND COUNSELING

The Office of Student Personnel provides a testing and counseling service designed to assist students in making more intelligent personal, academic, and vocational choices. Trained personnel are maintained to administer and interpret tests. For the most part students seek this service voluntarily. Special remedical assistance is available to students who are deficient in reading vocabulary, and study habits.

PLACEMENT SERVICE

This service is available to all persons graduating from the college and to those who receive teaching certificates through its recommendation. All seniors are urged to register prior to graduation. Alumni who hold degrees or certificates are welcome to register. Assistance in placement in all fields of employment relative to occupational instruction furnished by Fairmont State College is offered.

FRESHMEN ORIENTATION

Freshmen students arrive on the campus in advance of the upperclass students. During a week's period they become acquainted with the campus, buildings, and equipment, and various student activities. They are given tests which are for the purpose of assisting them in getting properly placed in their college courses and major fields of study. After scheduling classes in consultation with faculty advisers, they become formally registered for their first year of college work. Throughout the orientation period freshmen are assisted and guided by trained student counselors who are sympathetic with their special problems.

ADVISER SYSTEM

Each student is assigned an academic adviser at the time of his first enrollment in Fairmont State College. The student's academic adviser is the chairman or a staff member of the department in which the student has chosen his major field of study.

If the student desires to change his major field of study, he should contact the Student Personnel Director for assignment to the appropriate adviser. Students who are not ready upon entrance to select a major department will be assigned to special advisers by the Student Personnel Director.

It is to his academic adviser that a student will take all problems relating to course requirements, class schedules, pre-registration, and registration.

GENERAL REGULATIONS

Fairmont State College expects its students to observe the standards of good citizenship, both on and off the campus. Regulations of the State Board of Education empower the president and faculty to take such steps as may be needed to enforce these standards.

For Women

1. College women are not permitted to visit men's quarters.
2. A woman student who marries while in college must present legal evidence to the Dean of Women. She is also responsible for seeing that all college registration records bear her legal and accurate name and address. Failure to comply with this regulation may result in suspension.
3. Posing as a single student when there has been a secret marriage is a violation of college policy and is subject to disciplinary action.

Cheating and Thievery

The initial premise in formulating rules to determine the action to be taken in case of cheating and thievery is that the character of the offense should control the punishment. Casual glancing at a neighbor's paper is quite different from pre-arranged collusion whereby one receives notes, signals, or exposed answers from another person. Breaking into an instructor's quarters for any purpose whatsoever is a crime punishable by law. The punishment therefore ought to be in direct relation to the character of the offense. The following rules are formulated with this premise at the basis.

1. A student who is observed to be glancing at his neighbor's paper should be warned by the instructor tha this actions are evidence of cheating. Should the student repeat the performance, the instructor should order him to turn in his paper and leave the room. In all cases an "F" should be recorded for the quiz or examination. Should the student repeat this performance at a later period, he should be dismissed from class permanently and an "F" recorded for the semester.
   All such cases should be reported to the Deans of Men and Women promptly. Habitual offenders—those who have been cited for cheating in more than one class—are to be brought before the Disciplinary Committee promptly. The Committee will decide what action should be taken with the understanding that only extenuating circumstances will temper the punishment.
   When the evidence is clear that a student has brought notes to class, has developed a system of signals, or has been in collusion with another in any way, he will be dismissed summarily from class and a grade of "F" recorded. Instructors are reminded that they are responsible for obtaining clear and convincing evidence.

2. Thievery ordinarily is more serious than cheating. Often, however, the two are associated. The stealing of a notebook or textbook for one's own use may be rationalized in various ways. There are some who succumb to this temptation who would not think of taking money, clothes, or other articles. It often happens that a student picks up a book with the intention of returning it shortly. Procrastination produces an extended period of possession in which borrowing becomes stealing. Numerous cases of taking another's book and selling it are known. By no type of reasoning can this be identified as anything other than stealing. The first case calls for tempered action; the second normally should result in expelling the offender promptly.
   Any student who enters the quarters of an instructor and removes examination materials or in any way alters records has committed a flagrant act of cheating. If he should have forced entrance into the quarters, the offense becomes quite serious.
   Unless extraordinary reasons for clemency exist, the offender should be expelled from the College. Indeed, the circumstances may call for legal action. This is certainly true if the removal or destruction of property occurs.

LOAN FUNDS, SCHOLARSHIPS, AND OTHER STUDENT AID

The scholarship and loan funds of Fairmont State College are available to worthy undergraduates who need assistance in meeting their college expenses. All funds are administered by the Scholarship and Loan Committee, unless otherwise indicated. Applications for scholarships and loans should be made to Chairman, Scholarship and Loan Committee.

LOANS

The National Defense Student Loan Program

Students of Fairmont State College are eligible to participate in the National Defense Student Loan Program. The College has received an allocation for use as provided for in the National Defense Education Act of 1958. The Act specifies that "in selection of students to receive loans—special consideration shall be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools, and (b) students whose academic background indicates a superior capacity of preparation in science, mathematics, engineering or a modern foreign language."

Students who need financial assistance in order to enter college should know:

1. A student with a good academic record who shows a need for financial assistance in order to attend college is eligible to apply for a loan.

However, if the requests for loans exceed the grant made to the college, then special consideration will be given to students with superior academic backgrounds who express a desire to teach in elementary or secondary schools and to students whose academic backgrounds indicate superior capacity of preparation in science, mathematics, engineering, or modern foreign language.

2. The amount of the loan will be based on the actual need for basic expenses—tuition, room and board, fees, books, etc.—up to a maximum of $750 per year, the maximum amount for a four year period to be $3000.

3. A National Defense Student Loan bears simple interest upon the unpaid balance at the rate of 3 percent per year. Interest does not commence until one year from the date when the borrower ceases to be a full-time student at an institution of higher education. Furthermore, no interest shall be charged during any period, not in excess of three years, that the borrower is serving as a member of the Armed Forces of the United States.

4. The loan, and interest thereon, of any borrower who serves as a full-time teacher in a public elementary or secondary school shall be cancelled up to a maximum of 50 percent, at the rate of 10 percent of the amount of the loan plus interest thereon, which was unpaid on the first day of such service, for each academic year of service.

5. Promissory notes for minors will be co-signed by parents or guardians.

6. Applications for prospctive students should be made well in advance of registration.

For further information and application blanks write:

Chairman, Committee on
Scholarship, Loan, and Student Aid
Fairmont State College
Fairmont, West Virginia

The Claude Worthington Benedum Loan Fund

The Benedum Foundation of Pittsburgh has established a loan fund which permits bona fide residents of West Virginia to borrow a maximum of $300 in any school year. Entering freshmen must have a "B" average in high school. Sophomores, juniors, and seniors must have earned a minimum 2.0 average in their first year at Fairmont State College. The loan must be repaid within three years after the last date on attendance at the college. No interest is charged while the student is enrolled at Fairmont State College. Terms—see item 3 below.

General Loan Fund of Fairmont State College

1. Eligibility—sophomores, juniors, and seniors who have an average grade of 2.0 or better at the time of he loan.

2. Amount—maximum of $300 for one college year; maximum of $900 for three years.

3. Terms—**co-signing** by parents or guardian of the borrower; **repayment** of the loan, with the accrued interest thereon, over a three-year period, beginning one year after the date the borrower is graduated or ceases to be a full-time student. There is no interest during the time the student is enrolled full-time. Four percent interest is charged the first year after graduation, and six percent the last two years.

United Student Aid Program

This loan is provided by a private, non-profit corporation which endorses low cost loans made by local banks to needy college sophomores, juniors, and seniors. A recipient must have an over-all "C" average. The maximum loan is $500 for one school year. A parent or guardian must sign permission for the loan, but assumes no financial responsibility. The college authorizes the loan, which is granted by the home town bank. Full payment of the amount borrowed must be repaid within three years after last date of attendance in monthly installments not to exceed $100 per month. The interest rate is a maximum of 6 percent simple interest beginning at the time the loan is received.

SCHOLARSHIPS

The Claude Worthington Benedum Freshman Scholarship

The Benedum Foundation of Pittsburgh makes an annual grant to the college for the purpose of aiding worthy graduates of West Virginia High Schools to begin a college education. These scholarships, awarded on the basis of grades, activities, character, and financial need, amount to $100 a semester for the freshman year only.

The West Virginia Board of Education Teacher Scholarships

Five West Virginia Board of Education Elementary Teacher Training Scholarships and **five** West Virginia Board of Education Secondary Teacher Training Scholarships are offered to entering students who are residents of West Virginia majoring in elementary or secondary education. Awarded on the basis of grades, aptitude for teaching, personality, economic status, and interest, these scholarships amount to the remission of tuition and fees for four consecutive years following graduation from high school. The recipients must pledge to teach in West Virginia elementary or secondary schools for four years following graduation from college.

The West Virginia Board of Education General Scholarship

1. Eligibility—any regularly enrolled student to be considered on scholastic record, character, and financial need.

2. Amount—tuition and registration fee for one year, with opportunity to re-apply each year if satisfactory grades are maintained. Cash value $75.00, per semester.

Marion County Council of Parents and Teachers Scholarship

This scholarship is awarded to a freshman preparing to teach. It is for the amount of tuition and fees for the freshman year. Only residents of Marion County are eligible for the scholarship.

Elizabeth Bussing Watson Speech Scholarship

This scholarship is established by the family of Elizabeth Bussing Watson who was a teacher of elocution in the Fairmont State Normal School. An award of $50.00 is to be granted annually to a student in the Department of Speech and Dramatics. Need, personal qualities, career-interest and scholastic achievement are the basis of selection—the selection is to be made by the chairman and staff of the Speech and Dramatics Department.

Women's Hospital Association of Fairmont General Hospital Freshman Nursing Scholarship

A tuition scholarship for the four regular semesters awarded to a student who is a resident of Marion County and who is to be enrolled in the Associate in Science Nursing Program at Fairmont State College. The recipient must either rank in the upper one-fourth of his high school graduating class or score in the upper one-fourth, college-bound norms, on the ACT. The recipient is obligated to work as a nurse for two years after graduation at the Fairmont General Hospital or repay the money advanced. Application be made by March 15 and mailed to the chairman of the Scholarship Committee of the college. Application blanks may be obtained by writing the chairman of the Scholarship Committee of the college.

Junior League of Fairmont, Incorporated—Memorial Scholarship-Loan Fund

Realizing the importance of education for the advancement of our community, state and nation, the Junior League of Fairmont established a Scholarship-Loan Fund to provide financial assistance to needy students. The Fund, started in April, 1962, is to be a continuous project of the League. The money is to be used in the manner in which Fairmont State College feels it will best serve the needs of worthy students. The Scholarship and Loan Committees will select the recipients.

WORKING SCHOLARSHIPS

Among the several work scholarships available are:

(1) Assistant to Director of Public Relations, cash value $70 per semester.

(2) Director of Sports Publicity (preparation of sports news), cash value $70 per semester. Those interested must apply in person to the Director of Public Relations.

(3) Editor of **The Columns**, cash value $75 per year.

(4) Business Manager of **The Columns**, cash value $75 per year.

(5) Editor of **The Mound**, cash value $75 per year.

(6) Business Manager of **The Mound**, cash value $75 per year.

PART-TIME EMPLOYMENT

Opportunities are provided for many students who seek financial assistance through part-time employment. A registry of part-time jobs, available both on and off campus, is maintained in the Office of Student Personnel. On the college campus, students find employment in clerical work, library work, assisting instructors, kitchen and dining room work, maintenance, and other similar activities.

The office of Student Personnel assists students in finding part-time employment off campus. Many students work in stores, factories, garages, filling stations, and private homes.

REGULATIONS FOR STUDENT AID AND OTHER EMPLOYMENT

1. Students employed on the student aid basis may not be employed ordinarily for more than sixty-five hours in any one month. In exceptional circumstances, and when approved by the Committee on Student Aid, students may be employed to a maximum of ninety hours per month.

2. Students enrolled for more than six semester hours may not be employed by the College except on a student-aid basis.

3. Full-time employes of the College may not enroll for any academic work other than that obtainable outside of their regular work schedule.

4. The awarding of scholarships, student loans, and student employment, including assistance to athletes, is handled through the Office of Student Personnel. All employed students, including athletes, are required to give full and honest work for pay received.

5. First semester freshmen are not employed on campus nor recommended for employment off campus. The position of the college is that students should not work during the first semester while they are making the adjustment to college life.

STUDENT AUTOMOBILE REGULATIONS

Because of the large number of cars used by students, traffic on the college campus is seriously congested. In the interest of safety and service rigid regulations have become necessary. The administration of these regulations is in the hands of a Traffic Committee. All parking is limited to defined areas, and restricted parking is established in certain areas.

All motor vehicles operated by students must be registered and properly identified by campus registration stickers.

Students failing to comply with this regulation will be considered improperly registered.

Failure to comply with motor traffic regulations will result in the loss of parking privileges. Persistent violators will be subject to temporary or even final suspension from classes.

Each student using an automobile on the campus is expected to be familiar with the traffic regulations.

PHYSICAL EXAMINATION

All students entering Fairmont State College, or who have been absent for two semesters, are required to have a physical examination by their personal physician. The physical examination forms will be sent to the student in time for the student to obtain the physical examination before reporting for Orientation Week. The physical examination form will be filed with the Health Service at Registration.

HEALTH SERVICE

All students entering Fairmont State College are required to have a health examination within two weeks after entrance. Appointments for this examination should be made with the Health Service at the time of registration. Failure to comply with the above regulations on the part of the student will result in suspension until regulations have been met.

A certificate from the Health Service stating that the student has complied with the above regulation must be presented by the student to his supervisor in student teaching before he may be assigned to this training.

A physician and registered nurse are available to examine and advise students in matters pertaining to their health. On school days from 8 a.m. until 4 p.m., the college nurse may be found in her office in the Colebank Gymnasium for first aid and for the treatment of minor ailments of students and faculty. The college physician has regular campus office hours.

Group student hospital insurance is available to all full-time students at a very reasonable price. Each prospective student is mailed information pertaining to this insurance prior to the opening of school in the fall.

All prospective teachers must present a health certificate from the Health Service to the supervisor of student teaching before he may be assigned to this training.

FOOD SERVICE

The College Cafeteria is located in Morrow Hall. Breakfast, lunch, and dinner are served here daily with the exception of an evening meal on Sunday. Menus are carefully planned to provide nutritive diets with an attractive service at a reasonable price.

STUDENT CENTER BUILDING

The Student Center is a modern, spacious building centrally located on the campus.

On the ground floor, a large area has been finished for the Book Store and recreational purposes. The campus snack bar is located on the second floor, providing fountain service, soft drinks, coffee, cigarettes and confections. The center business offices for staff members is on this floor. The top floor contains the ballroom floor with facilities for such events as teas and receptions.

All facilities of the Student Center are available to student groups for meeetings, parties, dances and other social affairs. Always before facilities have been much too small and crowded for the day by day activities of a growing student body. For the present, the new Student Union Building will afford ample campus recreational facilities.

BOOKS AND SUPPLIES

A modern college bookstore is maintained in the Student Center for the convenience of students. Here textbooks and school supplies of all kinds may be purchased.

REQUIREMENTS FOR BACHELOR OF ARTS AND SCIENCE

The courses required in the several departments leading to the Bachelor of Arts or Bachelor of Science degrees may be conveniently described in four categories, viz., General Requirements, Majors, Minors, and Electives. General requirements include those courses required of all students with regard to the area of concentration. A major is defined as the area of greatest concentration, or, more specifically, as the department in which the most credit is earned. A minor is the area of second greatest concentration, or in other words, the department second to the major in the amount of credit earned. Electives are those courses not included in the other categories.

Degrees are offered by departments as follows:

Bachelor of Arts Degree

Art
English
History
French
Home Economics
Mathematics
Music
Philosophy and Psychology
Sociology
Speech and Dramatics

Bachelor of Science Degree

Biology
Business Administration
Chemistry
Home Economics
Industrial Arts
Mathematics
Physical Education
Recreation
Secretarial Studies

All degrees granted by Fairmont State College have the same minimum requirements with regard to semester hours credit and quality point average. The minimum credit is 128 semester hours with an average of 2.0 quality points per semester hour for a course entered on the student's permanent record card. The credit varies among departments, but in all cases the quality point average for a major or minor must be 2.0 or better. It is also a requirement for any degree granted by this college that the mean of the quality point averages for all courses not included in the major or minor fields be 2.0 or better. Moreover, all candidates for a Bachelor of Arts or Bachelor of Science degree must have both a major and a minor.

Courses taken to satisfy the general requirements, or their equivalents, will be included in the major or minor. Thus, a major student in English would count the general requirements in composition and literature as part of his major work.

Twelve hours of one foreign language is a general requirement for the Bachelor of Arts degree for those who entered college for the first time in September, 1955 or later. Three hours of this requirement may be waived for each unit of the language presented as entrance credit, provided that the student is competent to continue the study of the language at the appropriate college level.

A student pursuing courses leading to the degrees of Bachelor of Arts and Bachelor of Science, who also meets state certification requirements in two or more teaching fields and in the professional courses, will be recommended for a professional (first class) teaching certificate in the areas in which he may be qualified. These persons are warned, however, that the requirements for

the Bachelor of Arts and Bachelor of Science degrees differ considerably from those of the Bachelor of Arts in Education Degree. The Bachelor of Arts in Education degree automatically qualifies the student for a professional (first class) certificate. The other degrees do not.

It is the responsibility of the student to know and meet all requirements. The catalog is published for the primary purpose of providing students with a source book of information pertaining to the College resources and requirements. Additional information or clarification of the statements in the catalog may be obtained from the advisor or the Registrar.

GENERAL STUDIES REQUIREMENTS FOR THE BACHELOR OF ARTS AND THE BACHELOR OF SCIENCE DEGREES

Required Areas	Cat. No.	Sem. Hours
THE HUMANITIES		
English Language		
Written English	102, 104, 208	9
Spoken English	Sp. 101	3
Literature		
English Literature	251 or 252	3
American Literature	261 or 262	3
Art Appreciation	255	2
Music Appreciation	205	2
**Language		
French or German	101, 102, 201, 202	12
SCIENCE & MATHEMATICS		
***Biology or Physical Science	101, 102 or 201, 202	6
Mathematics	110 or higher	3
THE SOCIAL STUDIES		
Sociology	210	3
Economics	201	3
Political Science	103	3
History	207 or 208	3
	111, 112	6
PHYSICAL EDUCATION		
Women	Selected from pg. 53	2
Men	115, 116	
PSYCHOLOGY	103	3

**Required of all candidates for the Bachelor of Arts degree.

***Not required of Physical science majors or those who have credit in college physics and chemistry. No credit is allowed in General Physical Science if credit is earned in physics and/or chemistry.

SPECIFIC REQUIREMENTS IN ALL MAJOR FIELDS

ART

MAJOR		36 Sem. Hrs.
History of Art		8
255 History and Appreciation of Art	2	

278 Ancient and Medieval Art	3	
377 Italian and Northern Renaissance Art	3	
378 Nineteenth Century and Contemporary Art	3	
Studio Work (one major area in Art)		12

Ceramics and Sculpture

283 Modeling and Sculpture	3
284 Modeling and Sculpture	3
383 Ceramics	3
384 Ceramics	3
483 Advanced Sculpture	2
484 Advanced Sculpture	2

Design

140 Art Structure and Applied Design	3
141 Art Structure and Applied Design	3
392 Textile Design	3
491 Interior Design	3

Drawing

142 Drawing	2
241 Drawing from Life	2
242 Drawing and Painting from Life	3

Painting

361 Painting in Oil	3	
362 Painting in Oil	3	
363 Painting in Watercolor	3	
364 Painting in Watercolor	3	
461 Advanced Painting in Oil	3	
463 Painting in any Medium	3	
Studio Work (Selected from two or more major areas: see courses listed above under Ceramics and Sculpture, Design, Drawing, and Painting).		16

MINOR IN ART		24 Sem. Hrs.
History of Art Courses (See Above)	5	
Studio Work Courses (See Above)	19	

BIOLOGY

MAJOR

Required courses in Biological Science		30 Sem. Hrs.
Biology 101, 102, Introduction to Biology	6	

A minimum of 6 hours from each group is required

Group A: Botany		6
Biology 201, General Botany	4	
330, Field Botany	3	
340, The Plant Kingdom	3	
341, The Plant Kingdom	3	
342, Plant Ecology	2	
451, Plant Physiology		

Group B: Zoology 6

Biology	315, Field Zoology	3
	320, Invertebrate Zoology	4
	321, Vertebrate Zoology	4
	350, Comp. Anatomy of Vertebrates	4

Electives in Biological Science 12

Required related courses
Chemistry 101, 102, General Chemistry 8 Sem. Hrs.
Physics 101, 102 8 Sem. Hrs.
Mathematics 110 or higher 6 Sem. Hrs.

MINOR 24 Sem. Hrs.

Required courses in Biological Science 18
Same as Major

Electives in Biological Science 6

Required related courses
Chemistry 101, 102, General Chemistry 8
Physics 101, 102 8
Mathematics 110 or higher 6

BUSINESS ADMINISTRATION

MAJOR 39 Sem. Hrs.

Required Courses

Business	201, 202	Principles of Accounting	6
	304	Principles of Marketing	3
	306, 307	Business Law	6
	308	Personnel Management	3
	309	Indus. Organization and Man.	3
	310	Business Statistics	3
	401	Business Finance	3
Economics	201, 202	Econ. Principles and Problems	6
	303	Money, Credit, and Banking	3
	405	Managerial Economics	3

MINOR: Business Administration 18 Sem. Hrs.

Business 201, 202, 304, 401, or 309
Economics 201, 202

MINOR: Economics 18 Sem. Hrs.

Business 304, 310
Economics 201, 202, 303, 405

CHEMISTRY

MAJOR

Required courses 36 Sem. Hrs.

Chemistry	101, 102, General Chemistry	8
	201, 202 Qualitative Quantitative Analysis	8

301, 302 Organic Chemistry	8	
350 Instrumental Analysis	4	
405, 406 Physical Chemistry	8	
Related Courses		8
Physics 101, 102, Introduction to Physics	8	
Language		12
French 101, 104 or German 101, 102	6	
French 201, 202 or German 201, 202	6	
Mathematics through Integral Calculus		8-15

MINOR 24 Sem. Hrs.

Required courses

Chemistry 101, 102 General Chemistry	8
201, 202 Qualitative, Quantitative Analysis	8
301, 302 Organic Chemistry or 405, 406 Physical Chemistry	8

ENGLISH

MAJOR 36 Sem. Hrs.

Required Courses, Studies and Practice in the English Language 102, 104, 208, 321	12	
Required Courses, Literature 251, 252, 261, 262	12	
Electives, Literature, Group I 311, 312, 313, 314, 318, 322, 341, 342, 343, 345, 348, 353, 360, 371, 420	4-8	
Electives, Literature and Language, Group II 302, 306, 317, 413	3	
Foreign Language One selected from French or German		12 Sem. Hrs.

MINOR 30 Sem. Hrs.

Required Courses, Studies and Practice in the English Language 102, 104, 208	9
Required Courses, Literature 251, 252, 261, 262	12
Electives, Literature and Language Choice may be made from groups I and II as listed in the major.	9

FRENCH

MAJOR — 30 Sem. Hrs.

Required Courses — 15

101, 102	Elementary French or equivalent	6
201, 202	Second Year French	6
308	French Conversation	3

Electives — 15

301	Literature of the 17th Century	3
302	Literature of the 18th Century	3
309	Adv. Grammar and Comp.	3
421	Literature of the 19th Century	3
422	Literature of the 19th Century	3
431	French Civilization and Culture	3
321	Contemporary Literature	3

MINOR — 24 Sem. Hrs.

Required Courses — 15
101, 102, 201, 202, 308

Electives — 9
To be selected from electives for majors.

HISTORY

MAJOR — 30 Sem. Hrs.

Required courses

111, 112	History of Civilization	6
207, 208	United States History	6

The remaining 18 semester hours in history are to be elected with the advisor's approval, but the student must take at least one course from each of the three groups listed below. History majors are strongly urged to take 470, Seminar, if possible; and may not apply 431, Special Methods, toward the 30 hours requirement.

GROUP I

312	Diplomatic History of the United States	3
315	Colonial America	3
317	Civil War and Reconstruction	3
320	American Economic History	3
370	American Intellectual History	3
410	Recent America	3

GROUP II

310	History of England	3
330	Europe from 1300 to 1763	3
331	Europe from 1763 to 1850	3
340	Europe from 1850 to 1919	3
341	Europe from 1919 to the Present	3
360	European Intellectual History	3

GROUP III

350 Latin America: The Colonial Period	3
351 Latin America: The National Period	3
421 History of Russia	3
422 History of the Far East	3
423 History of Southeast Asia	2

MINOR 18 Sem. Hrs.

Required courses	
111, 112 History of Civilization	6
207, 208 United States History	6
Electives	
Any other history courses except 431	6
	18

HOME ECONOMICS

MAJOR

AB Degree—35 Sem. Hrs.
BS Degree—35 Sem. Hrs.

Required	AB	BS
101 Principles of Clothing Construction	2	2
102 Advanced Clothing Selection	3	3
103 Principles of Clothing Selection	2	2
201 Principles of Food Selection and Preparation	3	3
202 Advanced Foods	3	3
210 Textiles	3	3
303 Nutrition	3	3
310 Family Life Education	3	3
312 Consumer Education		3
315 Home Management	3	3
320 Home Plan. and Furnishing	4	4
330 Child Care and Develop.	3	3
351 Home Arts	3	
Language—Modern Foreign	12	6
Other Fields Botany, or Zoology, or Gen. Chemistry		12

MINOR 24 Sem. Hrs.

Same requirements as listed under Home Economics Subject Specialization for grades 5 through 9.

MATHEMATICS

MAJOR* 31 Sem. Hrs.

Required Courses 25

115 Intermediate Mathematics II	4

116	Calculus I	4
215	Calculus II	4
216	Calculus III	4
361	Abstract Algebra	3
391	Introduction to Analysis	3
401	Differential Equations	3

Electives in Math (To be selected by student and advisor)	6
Language: French or German	12
Minor in Mathematics	25

Required Courses
115, 116, 215, 216, 361, 391, 401

*It is expected that students will present a minimum of four units of high school mathematics including two units of algebra, one unit of integrated geometry (or equivalent), and a fourth unit requiring algebra and geometry as prerequisites. Students who present less than this expected preparation may be required to complete appropriate courses from Math 109, 111, 112, in addition to the above requirements.

INDUSTRIAL EDUCATION

Foundation courses required of all candidates for the B. S. degree in Industrial Education specializing in construction, drafting, industrial, or mechanical technology.

Industrial Education Foundation Courses

Ind. Ed.	120	Graphics I	2
Ind. Ed.	220	Graphics II	2
Ind. Ed.	101	Basic Electricity	2
Ind. Ed.	110	Basic Electronics	2
Ind. Ed.	316	Electronics I	2
Ind. Ed.	180	Materials and Processes of Industry	2
Ind. Ed.	190	Industrial Orientation	2
Bus.	227	Industrial Organization	3
Bus.	327	Accounting for the Technician	3

Students pursuing a major in Industrial Education will be required to take the following courses:

Math	111	Intermediate Algebra or	6
Math	112	Intermediate Mathematics or	
Math	115	Intermediate Mathematics II	
Chem.	101 & 102	General Chemistry	8
Phy.	101 & 102	Introduction to Physics	8

Twenty eight semester hours of credit in any one of the following groups, in addition to the foundation courses, will constitute a major unit of work in the respective area of specialization.

CONSTRUCTION TECHNOLOGY ELECTIVES

122-222	Architectural Drafting	2-2
160-260	Basic Woodwork	2-2
170-171	Strength of Materials	2-2
321-322	Structural Drafting	2-2
366-466	Construction Lab.	2-2

372	Surveying	2
373	Computing & Estimating	2
375	Plumbing & Sanitation	2
376	Heating & Air Conditioning	2
392	Blueprint Reading	2-3
473	Contracts & Specification	2
474	Codes & Practices	2

DRAFTING TECHNOLOGY ELECTIVES

121	Engineering Drafting	2
122-222-422	Architectural Drafting	2-2-2
123	Machine Design	2
170-171	Strength of Materials	2-2
221	Graphic Illustration	2
223	Jig & Fixture Design	2
320-420	Drafting Room Techniques	2-2
321-322	Structural Drafting	2
323-423	Electrical & Electronic Drafting	2-2
392	Blueprint Reading	2-3
421	Drafting, Planning & Scheduling	2

INDUSTRIAL TECHNOLOGY ELECTIVES

121	Engineering Drafting	2
165-265	Machine tools	2-2
192	Personnel Administration	2
221	Graphic Illustration	2
315	Controls & Instrumentation	2
370-470	Manufacturing process	2-2
377	Time & Motion Study	2
378	Plant Layout & Materials Handling	2
379	Statistical Quality Control	2
392	Blueprint Reading	2-3
415	Electrical Maintenance	2
477	Industrial Management	2
478	Production Controls	2

MECHANICAL TECHNOLOGY ELECTIVES

123	Machine Design	2
161-162	Welding	2-2
165-265	Hot & Cold Metals I & II	2-2
167-267	Machine Shop I & II	2-2
204	Electrical Machinery D.C.	2
205	Electrical Machinery A.C.	2
223	Jig & Fixture Design	2
315	Controls & Instrumentation	2
316-417	Electronics	2-2
345	Pneumatics	2
360	Metalurgy	2
370-470	Manufacturing process	2-2
392	Blueprint Reading	2-3
371	Thermo Dynamics	2
445	Hydraulics	2

MUSIC

MAJOR

Required Courses	48 Sem. Hrs.
Theory	12

109-110 Theory	8	
209 - Theory	4	
Applied Music		10
107-408 Piano	4	
141-442 Voice	2	
*275-492 Orchestral Instruments	4	
Appreciation		8
205 Music in Human Relations	2	
313 History	3	
314 History	3	
Conducting		4
345 Choral Conducting	2	
346 Instrumental Conducting	2	
Participation		8
169-470 Band	1-4	
173-474 College Chorus	1-4	
275-476 Advanced Instrumental Ensemble	1-4	
277-478 Advanced Vocal Ensemble	1-4	

MINOR 26 Sem. Hrs.

Theory: 109, 110	8
Appreciation: 205	2
Applied Music	8
107-408 (Min. 3)	
141-442 (Min. 1)	
274-492 (Min. 3)	
Conducting: 345, 346	4
Participation (See Courses Above)	4

*Advanced work on organ or a special orchestral instrument may be done to satisfy the 4 hours required in this group.

PHILOSOPHY AND PSYCHOLOGY

MAJOR 25 Sem. Hrs.

Required Courses (Option in Philosophy)

200 Introduction to Philosophy	3
300 Logic	3
325 Ethics	3
350 Comparative Religion	2
375 History of Christian Thought	2
400 Philosophy of Religion	3
425 History of Ancient and Medieval Philosophy	3
475 History of Modern Philosophy	3
Elective: One upper-level psychology course	3

MINOR 12 Sem. Hrs.

Required Courses (Option in Phychology)

103 General Psychology	3
250 Experimental Psychology	3
300 Psychology of Personal Adjustment	3
350 Statistics	3
375 Physiological Psychology	3
400 Psychometrics	3
425 Clinical Psychology	3

460 Seminar	3
Phil. 300 Logic	3

MINOR 12 Sem. Hrs.

Required Courses (Option in Psychology)
103, 250, 350 plus one elective course in Psychology

PHYSICAL EDUCATION

The requirements for the Bachelor of Science degree in Physical Education under the requirements for Bachelor of Arts in Education degree.

POLITICAL SCIENCE

MINOR 15 Sem. Hrs.

Required courses	
103 American National Government	3
Electives	
Any other Political Science courses	12

PHYSICS

MINOR 22-25 Sem. Hrs.

Required Courses

Physics 101, 103 or 210, 211, 201, 310, 320, 321, 340, or 420, 421

Mathematics 112, 115, 116

RECREATION

MAJOR 44 Sem. Hrs.

Professional Recreation		12
281 History and Principles of Recreation	3	
282 Community and Industrial Recreation	3	
384 Camping and Youth Organizations	3	
385 Recreational Leadership	3	
386 Recreational Field Work and Inspection Trips	3	
487 Organization and Administration of Recreation	3	
Health and Safety		12
100 Personal Health	3	
101 First Aid	3	
202 Community Health	3	
203 Safety	3	
310 School Health Problems	3	
Activities and Sports		12
Twelve semester hours—to be selected by advisor		

Rhythms and Creative Arts 8

146	Social Dancing	1
148	Modern Dance	1
247	Folk and Square Dance	2
186	Recreational Crafts (I.E.)	2
286	Crafts (I.E.)	2
151	Play Production (Speech)	2
152-452	Theatre Workshop (Speech)	2
240	Reporting (Journalism)	3

SECRETARIAL STUDIES

MAJOR

Required Courses 33 Sem. Hrs.

101, 102	Beginning and Intermediate Typewriting or	
211	Advanced Typewriting	4
201, 202	Beginning Shorthand	8
251	Business Correspondence	2
301, 302	Advanced Shorthand and Transcription	8
311	Office Machines	2
351	Secretarial Office Practice	3
201, 202	Principles of Accounting	6

MINOR

Required Courses 21 Sem. Hrs.

101, 102	Beginning and Intermediate Typewriting or	
211	Advanced Typewriting	4
201, 202	Beginning Shorthand	8
301	Advanced Shorthand	4
311	Office Machines	2
201	Principles of Accounting	3

SOCIOLOGY

MAJOR 24 Sem. Hrs.

Required Courses 12

210	Introductory Sociology	3
301	Anthropology	3
310	Marriage and the Family	3
403	Social Psychology	3

Electives 12

Selected from the offerings of the Department of Sociology with the Advisor's approval.

MINOR 18 Sem. Hrs.

Required Courses 9

210	Introductory Sociology	3
301	Anthropology	3
403	Social Psychology	3

Electives 9

Selected from the offerings of the Department of Sociology with the Advisor's approval.

SPEECH AND DRAMATICS

MAJOR 30 Sem. Hrs.

Required Courses 23

101	Fundamentals of Speech	3
105	Voice and Diction	3
151	Play Production	2
221	Oral Interpretation	2
237	Effective Speaking	2
243	Debate	2
245	Oratory	1
330	Fund. of Radio and T.V.	2
336	Play Directing	2
336L	Play Directing Lab.	1
430	Speech Correction	3

Electives 7

MINOR 24 Sem. Hrs.

Required courses:

Same as required courses for the major with one elective in the field.

SPECIAL CURRICULA

PRE-PROFESSIONAL CURRICULA

The courses outlined below are organized to meet the needs of those students who plan to continue their work in some professional school after one or two years as a student in Fairmont. Since most of this work is basic in character it may be used in meeting the requirements for graduation from Fairmont State College.

Pre-professional work is offered in the following fields:

Dentistry
Law
Medicine
Medical Technology
Pharmacy
Social Work

An outline of the courses to be included in the pre-professional curricula listed above is outlined below for the use of students and advisors. Since the majority of students doing such work will later enter the professional schools at West Virginia Uuiversity, the courses have been prepared with the idea of meeting the requirements laid down by University authorities for their own pre-professional students. Students expecting to enroll in other professional schools should procure a catalogue from the school they expeect to enter with advanced standing so that the course taken here will meet the requirements they need to meet. The pre-professional field advisor will assist students in making all necessary adjustments.

The arrangement of courses of the pre-professional curricula by years may have to be varied somewhat to meet schedule situations and the interests of students. The pre-professional advisors should, however be consulted as regards any such changes before they are made.

PRE-DENTAL CURRICULUM

Students enrolled in pre-dentistry should plan their programs in relation to the requirements of specific college of dentistry, for the entrance requirements differ somewhat among various colleges. They should obtain a catalog from the school of their choice, and use it as a guide in selecting their courses in Fairmont. Only students with a B average, or higher will be urged to continue dental training.

A recommended schedule for a two-year pre-dental course in Fairmont State College follows:

	First Year		Second Year	
Course	Hrs.	Hrs.	Hrs.	Hrs.
English 102, 104	3	3		
Chemistry 101, 102	4	4		
French 101, 102	3	3		
French 201, 202			3	3
Biology 101, 102	3	3		
Biology* 220, 221			4	4
Physics 101, 103			4	4
Chemistry 301, 303			4	4
Psychology 103	3			
Electives (Composition, Literature or Sociology)		3	2	2

*Some dental schools specifically require zoology. In most instances, biology or zoology courses will meet requirements. There normally should be an opportunity to include 3-4 hours of elective courses in the first year.

PRE-LAW CURRICULUM

Fairmont State College no longer offers a distinct Pre-Law curriculum, for the policy of law schools generally is to admit only those applicants who have been graduated with at least a bachelor's degree. Narrow curricula are no longer specified. Students, therefore, who are working toward entrance to law school should consult with the Pre-Law advisor and follow his recommendations.

PRE-MEDICAL CURRICULUM

Students planning to study medicine will find ample opportunity to prepare for this profession at Fairmont State College. Courses in the physical and biological sciences are adequate to meet the requirements of any medical college. The pre-medical student, however, should understand that medical colleges do not regard the basic sciences as the only important area in the preparatory program for the profession. Indeed the trend is definitely to favor general education over a narrow, specialized science concentration. The pre-medical curriculum at Fairmont has been developed in consideration of this trend.

Most medical colleges expect or require applicants to be graduates of a four-year college, but some students may be admitted upon completion of a three-year curriculum. Graduates of Fairmont who have completed the pre-medical curriculum with good marks are readily accepted by several outstanding medical colleges. One should know however that mediocre work is not a recommendation for entrance to any professional school. Consequently, only the better students can be confident of admission to a medical college.

SUGGESTED SCHEDULE

First Year

Eng.	102, 104	First Year Wr. & Spkn. Eng	6 Hrs.
Hist.	111, 112	Development of Social Inst.	6 Hrs.
Chem.	101, 102	General Chemistry	8 Hrs.
Math	112, 115	Int. Math. I and II	6 Hrs.
P. Ed.	115, 116	Freshman Orientation	2 Hrs.
Biol.	101, 102	Introduction to Biology	6 Hrs.

Second Year

Eng.	251 or 252: 261 or 262	Eng. and Am. Lit.	6 Hrs.
Soc.	201, 202	Fundamental Social Problems	6 Hrs.
Chem.	201, 202	Qual. and Quan. Anaylsis	8 Hrs.
Phys	101, 102	Introduction to Physics	8 Hrs.
Fr.	101, 102	Elementary French	6 Hrs.

Third Year

Art.	225	Hist. and App. of Art	2 Hrs.
Chem.	301, 302	Organic Chemistry	8 Hrs.
Fr.	201, 202	Second Yr. French	6 Hrs.
Sp.	101	Fundamentals of Speech	3 Hrs.
Biol.	321, 350	Vertebrate Zoo. and Comp. Anat.	8 Hrs.
Mus.	250	Music in Human Relations	2 Hrs.
Hist.	207 or	208 American History	3 Hrs.
Psy.	103	General Psycology	3 Hrs.
Chem.	405	Physical Chem.	4 Hrs.
Electives			30 Hrs.

PRE-PHARMACY CURRICULA

National requirements for the study of pharmacy require five years of study beyond high school. The curriculum requires the completion of two years of pre-pharmacy and three years of study and training in a professional school of pharmacy. Prospective pharmacy students should, of course, plan their programs in such a manner as to insure meeting requirements of the particular professional school of pharmacy to which they wish to transfer. The following two-year preparatory program is suggested.

	First Year		Second Year	
Course	Hrs.	Hrs.	Hrs.	Hrs.
English 102, 104	3	3		
Chemistry 101, 102	4	4		
Biology 101, 102	3	3		
Speech 101	2			
Math 112	3			
P. Ed. 101, 102(W) or 115, 116(M)	1	1		
Math 115		3		
Electives		2		
Economics 201			3	
Physics 101, 102			4	4
Chemistry 202				4
Botany 201			4	
Chemistry 301, 302			4	4
Electives			2	4

PRE-MEDICAL TECHNOLOGY CURRICULUM

Any student interested in the Pre-Medical Technology Curriculum should understand that fulfilling the requirements of a two-year program calls for careful planning. Moreover, this curriculum is only preparatory for further work in some institution—hospital or university—accredited for training medical technologists. The student, therefore, should place his program not only for the two-year curriculum at Fairmont State College but also for curriculum at a school of medical technology.

To be admitted to the curriculum at this college, the student must be a graduate of an accredited four-year high school and must present a minimum of one unit credit in algebra and one unit in plane geometry as a part of the entrance requirements. The college work shall include credit as follows:

English. 12 semesters—6 hours of composition and 6 hours of literature.

French. 12 semester hours.

Biological Science. 8 semester hours in general biology and zoology.

Chemistry. 20 semester hours—8 hours in inorganic, 4 hours in quantitative analysis, and 8 hours in organic.

Physics. 8 semester hours.

Physical Education. 2 semester hours.

Electives. 6 semester hours from English, History, Political Science, Sociology, and Geography.

PRE-SOCIAL WORK CURRICULUM

The pre-professional curriculum in Social Work is designed to meet the needs of the students who plan to enter the School of Social Work at West Virginia University, or other approved schools of social work. Professional education for the many positions available for professional social workers is on a graduate basis in all accredited schools of social work. The undergraduate

program, which may be obtained completely at Fairmont State College, includes broad and intensive preparation in the social sciences and related fields.

Students who choose this course must satisfy all the requirements prescribed for the Bachelor of Arts. They should elect their major in sociology, or social science and meet the requirements set up for majors of those fields. The program for this curriculum should be planned in consultation with the chairman of the Department of Sociology.

TWO-YEAR CURRICULA

Fairmont State College now offers several special curricula each of which require completion of 64-77 semester hours with a quality point average of 2.0 or better. These curricula are now available in the following areas:

Accountancy
Clerical
General Education
Nursing Education
Secretarial

The purpose of these curricula is to provide desirable vocational training for those persons who are unable to complete an entire four-year course without interruption, and for those persons who desire some college training organized with a definite objective in mind to contrast to a more or less random selection of courses. These curricula are organized in such a manner as to be complete within themselves, while, at the same time, they will serve as preparation for the more intensive and richer four-year courses. The quality of the instruction offered will be identical with that in the four-year courses.

Fairmont State College is authorized by the State Board of Education to issue the certificate of Associate in Arts or Associate in Science upon the successful completion of any of these special two-year curricula. The student, of course, may choose not to complete all the requirements of a special curriculum and continue work toward a baccalaureate degree instead. A 2.0 average for all courses attempted and for those in area of specialization is required.

ACCOUNTING CURRICULUM 67 Sem. Hrs.

Required Courses

Bus.	141	Business Mathematics	3
Bus.	201, 202	Principles of Accounting	6
Bus.	301, 302	Advanced Accounting	6
Bus.	306	Business Law	3
Bus.	406, 407	Income Tax, Indiv. & Corporate	6
Econ.	201, 202	Principles and Problems	6
Eng.	102, 104	First Yr. Wr. & Spoken Eng.	6
Sec. St.	101, 102	Begin Typewriting and Intermediate Typewriting, or Advanced Typewriting	4
Psy.	103	General Psychology	3
Speech	101	Fundamentals of Speech or Speech Improvement	3
Electives			21

SECRETARIAL CURRICULA 64 Sem. Hrs.

TWO YEARS

Required Courses

Bus.	141	Business Mathematics	3
Eng.	102, 104	First Year Wr. & Spkn. Eng.	6
Sec. St.	101, 102	Begin. & Intermediate Typewriting	4
Sec. St.	104	Secretarial Accounting	3
Sec. St.	201, 202	Begin. Shorthand	8
Sec. St.	211	Advanced Typewriting	2
Sec. St.	251	Business Correspondence	2
Sec. St.	301, 302	Adv. Shorthand and Transcript	8
Sec. St.	311	Office Machines	2
Sec. St.	351	Sec. Office Practice	3
Psy.	103	General Psychology	3
Speech	101 or	Fundamentals of Speech	3
	107	Speech Improvement	2
Electives			18

CLERICAL CURRICULA 65 Sem. Hrs.

TWO YEARS

Required Courses

Bus.	102	Principles of Business	3
Bus.	141	Business Mathematics	3
Bus.	201, 202	Principles of Accounting	6
Eng.	102, 104	First Year Wr. & Spkn. Eng	6
Sec. St.	101, 102	Begin. & Intermediate Typewriting	4
Sec. St.	211	Advanced Typewriting	2
Sec. St.	251	Business Correspondence	2
Sec. St.	311	Office Machines	2
Sec. St.	351	Sec. Office Practice	3
Psy.	103	General Psychology	3
Speech	101 or	Fundamentals of Speech	3
Speech	107	Speech Improvement	2
Electives			27

GENERAL EDUCATION CURRICULUM

First Year

First Semester	Sem, Hrs.	Second Semester	Sem. Hrs.
Eng. 102, First Year Written and Spoken English	3	Eng. 104, First Year Written and Spoken English	3
Biol. 101, Intro. To Biol. or Phy. Sci. 201, Gen. Phy. Sci.	3	Biol. 102, Intro. to Biol. or Phy. Sci. 202, Gen. Phy. Sci.	3
Hist. 111, Dev. of Soc. Inst.	3	Hist. 112, Dev. of Soc. Inst.	3
Speech 101, Fund. of Speech	3	Phil. 200, Intro. to Phil.	3
P.E. 101, or 115, Fr. Orienation	1	P.E. 111, or 116, Fr. Orientation	1
Electives	3-4	Electives	3-4
	16-17		16-17

Second Year

First Semester	Sem, Hrs.	Second Semester	Sem. Hrs.
Eng. 251 or 252, Survey of English Literature	3	Eng. 261 or 262, Survey of American Literature	3

Soc. 210, Intro. Soc.	3	Ec. 201, Ec. Prin. & Problems	3
Psy. 103, Gen. Psychology	3	Music 205, Music in Hum. Relations	2
Art 255, Hist. & App. of Art	2	Electives	8-9
Electives	5-6		
	16-17		16-17

NURSING EDUCATION

Students in the first class of the associate degree nursing program of Fairmont State College enrolled in September of 1964. The program is two academic years and one six-week summer session in length.

The purpose of the program is the development of the individual as a person, a citizen and as a beginning practitioner of nursing at the bedside level. A balance of general education and specialized education makes up the curriculum which totals 77 credits. The graduates are eligible to take the state licensing examination for registered nurses.

Community agencies are used for selected learning experiences. Those included are hospitals, clinics, schools, homes for the aged and the state mental institution.

THE TUITION FEES

The tuition fees required for the nursing students are the same as those required of all students in the college. Additional cost to nursing students will include uniforms, special equipment, special achievement examinations, cost of living while affiliating at a state hospital during the summer session.

NURSING EDUCATION CURRICULUM

First Year

First Semester	Sem, Hrs.	Second Semester	Sem. Hrs.
Eng. 102, Written and Spoken	3	Eng. 104, Written and Spoken	3
Phy. Sci. 201, Gen. Physical Sci.	3	Phy. Sci. 202, Gen. Physical Sci.	3
Biol. 101, Intro. to Biology	3	Psych. 103, Gen. Psych.	3
Soc. 210, Intro. Sociology	3	Nsg. II, Maternal and Child	8
Nsg. I, Funda. of Nursing	5	P. Ed. III	1
P. Ed. 101	1		
Total Hours	18	Total Hours	18

Summer Session (Six Weeks)

Nsg. IV, Psychiatric Nursing 6 hrs.

Second Year

First Semester	Sem, Hrs.	Second Semester	Sem. Hrs.
Biol. 224, Microbiology	3	Nsg. V, Medical-Surgical	8
Home Ec. 303	2	Nsg. VI, Trends in Nursing	3
Nsg. III, Medical-Surgical	8	Pol. Sci. 103, National Gov't	3
Speech 101	3	Elective	3
Elective	2		
Total Hours	18	Total Hours	18

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN EDUCATION

The education of teachers at Fairmont State College is designed to utilize the cooperative functions of the several subject matter areas and the department of professional education. The philosophy of the college is that adequate preparation for teaching requires rich and comprehensive experience in the area of general education, concentration in a comprehensive or in two of the subject matter fields, and the development of certain attitudes, skills and understanding which characterize effective teaching. The State Board of Education has adopted a program of general and professional education which is required of all students preparing for teaching.

COURSES OF INSTRUCTION

Fairmont State College offers teaching curricula leading to the degree of Bachelor of Arts in Education. Students satisfactorily completing the teaching curriculum in a given area will qualify for a Professional Certificate, grades 7-12, 1-9 or 1-12.

Prospective students who began their academic work some time ago and who are now seeking to qualify for a teaching permit are urged to confer with the Dean and the Chairman of the Department of Education to determine the most convenient way to attain the certification they desire. The detailed outline of the several curricular requirements to be found in following sections is concerned primarily with the needs of students whose academic program began in September of 1949, or later. Students who began their college careers before this date are advised to make a thorough check of requirements with the Dean and the Chairman of the Department of Education.

It is the responsibility of candidates for a degree to know and to meet the general requirements of the College and the specific requirements of the chosen curriculum. It is the student's responsibility also to keep informed on his grade-point standing. All of this information may be obtained from the student's advisor or from the Registrar's office.

ADMISSION TO TEACHER EDUCATION

Any student of sophomore standing may enroll in the first professional course, Education 200, Introduction to Education. Students are not expected, in this course, to make a decision or an application for admission to teacher education. It is required of all teacher education students, and non-education students may take it as an elective.

The form, "Student Information Form, T-Form 63," is to be completed and filed with the Education Department before the completion of Education 200. A student will receive a "I" grade in this coures until this form is filed.

In order to be eligible for enrollment in Education 302, Human Growth and Development, a student must be in good academic standing (i.e., he must not be on scholastic probation). Except for transfer students who may be excused, the completion of Education 200 is also a requirement for enrollment in this course.

At mid-semester, and while enrolled in Education 302, those interested in pursuing the Teacher Education program shall make formal application by completing the form, "Application for Admission to the Teacher Education Program". To be accepted, the applicant must have a mimimum quality point average of 2.0, overall and in each area of concentration or teaching field. He must have satisfactorily completed English 102 and 104, First Year Written and Spoken English and English 208, Advanced Written English. He must, at the time of application, be passing Education 302. As a part of this application he must secure a favorable recommendation from the Health Department, the Social Dean, and his class Advisor.

Toward the close of the semester in which the student is enrolled in Education 302, the Selection Committee evaluates the information in his folder and arrives at one of the following decisions: Approved; Approved Conditionally; or Disapproved. The student is to be notified in writing of the Committee's decision, and he shall have the opportunity of appearing before the Committee if he is dissatisfied with its conclusions.

If a student has satisfactorily completed Education 302 and has approval of the Selection Committee, he is eligible to enroll in Education 303, Human Growth and Development. As a part of the requirements for this course, the student must make application for the Professional "Block".

STUDENT TEACHING

Student teaching is required in all curricula. At the present time, elementary school training is provided at East Park, Jayenne, White, and Butcher elementary schools. Secondary training is given in connection with Marion County junior and senior high schools. All student teaching is under the joint direction of Fairmont State College and the Board of Education of the county in which the teaching is done.

Eligibility for student teaching is determined by the ability of the student to meet the following requirements.

1. a. For enrollment in the Professional Block, 90 semester hours including 8 hours in education courses, and three-fourths of the required work in each teaching field or area of concentration.

   b. Satisfactory completion of English 208, Advanced Written English, and Speech 210 with a grade of "C".

2. Admission to the Professional Block will be predicated upon departmental approval of the candidate's comprehensive field or two teaching fields and completion of professional education courses which are prerequisite to the block courses.

3. Completion of the September Experience of five days in a public school of the student's choice observing the opening and organization of a school.

4. Students will not be permitted to schedule courses outside the block or extracurricular activities which will in any way interfere with the course work.

5. Students must have an average of "C" or better.
   a. On all credits to be counted toward graduation.
   b. On all credits in areas of concentration or teaching fields.
   c. On all credits earned in the department of education.

6. A statement from the college health department showing that the student has been given a physical examination and found to be physically fit for assignment to directed teaching.

7. Students in the teaching curricula must complete their student teaching at the grade level in which they will be certified. All students

will be required to complete a total of seven hours of student teaching.

THE BLOCK SYSTEM

Fairmont State College has adopted the block system for scheduling directed teaching. The significant features of this plan are : (1) a semester is reserved for the student in which he or she will schedule a block of professional subject including methods and directed teaching; (2) a nine-weeks section of that semester will be used exclusively for directed teaching; (3) during this nine-weeks period, the daily assignment for student teaching will comprise all hours the school is in session; (4) in addition to classroom assignments, student teachers will participate in the extra-curricular activities of the school and community.

One semester of the senior year will be used for scheduling a block of approximately 17 semester hours of professional courses. To schedule the "Block", a student must have met the requirements for directed teaching as described in the several preceding paragraphs. Students and advisors should understand that the block system requires exact planning during the early years of the college career as well as in the senior year. All general requirements of the college as well as the minimum requirements of the teaching fields will have to be completed before the "Block" can be scheduled.

SUMMARY OF REQUIREMENTS

Briefly stated, the requirements for the Bachelor of Arts in Education degree are: The candidate must earn a minimum of 128 hours credit in approved subjects with a quality point average of 2.0, or better, for all courses attempted, for all professional courses, and for all courses in his teaching fields. He must also meet the general and specific requirements set up for the curriculum and teaching fields he elects.

TEACHING CURRICULA

Grades 7 through 12

Each student qualifying to teach in grades 7 through 12 shall complete the following:

I. General Studies
II. Professional Education
III. Specialization

(a) One comprehensive field of specialization authorizing him to teach in grades 7 through 12 the related subjects which comprise the comprehensive specialization

or

(b) Two single subject specializations for grades 7 through 12

or

(c) One single subject specialization for grades 7 through 12 and one designed for grades 7 through 9, identical with the specialization required for grades 5 through 9.

Grades 1 through 9

Each student qualifying to teach in grades 1 through 9 shall complete the following:

I. General Studies
II. Professional Education
III. Specialization

(a) A Diversified Specialization for teaching in a self-contained classroom

and

(b) One Subject Specialization for team teaching and departmental teaching in grades 5 through 9.

Grades 1 through 12

Each student who qualifies for teaching in a Self-Contained classroom and for a field of Specialization in a Secondary School, shall complete the following:

I. General Studies
II. Specialization

(a) A Diversified Specialization for teaching in a self-contained classroom

and

(b) One Subject Specialization for teaching in grades 7 through 12.

III. Professional Education

To include methods and student teaching at both the elementary and secondary levels.

Each student who qualifies for teaching Art I and Music, in grades 1 through 12 shall complete the following:

I. General Studies
II. Specialization

(a) One comprehensive specialization

or

(b) Two single subject specializations

or

(c) One single subject specialization and one junior high specialization.

III. Professional Education

To include methods and student teaching of the single subject specialization at both the elementary and secondary levels.

REQUIRED PROGRAM OF GENERAL STUDIES FOR BACHELOR OF ARTS DEGREE IN EDUCATION

Required Areas for Humanites	A.B.	Ed.
Written English 102, 104, 208		9
Spoken English Sp. 210	6	3
Literature		
English Literature 251 or 252		3

American Literature 261 or 262	3
Art Appreciation 255	2
Music Appreciation 205	2
Science & Mathematics	
Life or Physical Science 101, 102 or 201, 202	6
Mathematics 110 or Higher	3
Social Studies	
Sociology 210	3
Economics 201	3
Political Science 103	3
History 111, 112	6
Physical Education	2

REQUIRED PROGRAM OF PROFESSIONAL EDUCATION FOR BACHELOR OF ARTS DEGREE IN EDUCATION

Ed. 200	Introduction to Education	2 Sem. Hrs.
Ed. 302	Human Growth and Education	3
Ed. 303	Human Growth and Development	3

The allocation of course work in the Professional Block is as follows:

Curriculum A

Ed. 400	Foundations of Education	2 Sem. Hrs.
Ed. 430	Methods of Teaching Reading in the Secondary Schools	2
Ed. 440	Principles of Teaching in the Secondary Schools	2
Ed. 442	General Methods of Teaching in the Secondary School	2
Ed. 450	Observation and Directed Teaching	7
431	Special Methods - Area of Concentration	2

Curriculm B

Ed. 405	Materials and General Elementary Methods	2 Sem. Hrs.
Ed. 410	Methods in Elementary Language Arts	2
Ed. 415	Methods in Elementary Social Studies	2
Ed. 400	Foundations of Education	2
Ed. 420	Observation and Directed Teaching	7
Sci. 412	Science for the Elementary School	2

REQUIREMENTS FOR CURRICULUM B-CLASSROOM TEACHING GRADES 1-9 (ELEMENTARY EDUCATION

A. Diversified Specialization for self-contained classroom

Eng.	207	Childrens Literature	3 Sem. Hrs.
Hist.	207	American History	3
Hist.	208	American History	3
Hist.	302	West Virginia History	3
Geog.	210-305	Global Geography	3
Biol.	101-102	General Biology	6
P. Sci.	201-202	General Physical Science	6
Math	310	Math for Teachers	3

Mus.	331-332	Music Education	6
Art	353	Art Education	3
Health	310	Health Education	3
P. Ed.	214-329	P. Ed. for Elementary Schools	2

B. Subject Specialization for Grades 5 through 9

Art	24 Sem. Hrs.
General-Earth Science	28
Home Economics	24
Industrial Arts	24
Language Arts	24
Mathematics	18
Music—Vocal	24
Music—Instrumental	24
Physical, Health and Safety Education	18
Speech	18
Social Studies	24
Teacher Librarian	18

DEPARTMENT OF COMMERCE

BUSINESS EDUCATION (Comprehensive) 43 Sem. Hrs.

Business	201-202	Principles of Accounting	6
Business	141	Business Mathematics	3
Business	306	Business Law	3
Business	304	Marketing	3
Economics	201-202	Economic Principles and Problems	6
Economics	303	Money, Credit and Banking	3
Sec. Stud.	102-211	Intermediate & Advanced Typewriting	4
Sec. Stud.	311	Business Machines	2
Sec. Stud.	301-302	Advanced Shorthand and Transcription	3
Sec. Stud.	351	Office Practice	2
Business	431	Materials & Methods in Bus. Education	2

BUSINESS EDUCATION (Secretarial) (A second teaching field is required with this program.)

28 Sem. Hrs.

Business	141	Business Mathematics	3
Business	201-202	Principles of Accounting	6
Sec. Stud.	102-211	Intermediate & Advanced Typewriting	4
Sec. Stud.	311	Business Machines	2
Sec. Stud.	301-302	Advanced Shorthand & Transcription	8
Sec. Stud.	351	Office Practice	3
Business	431	Materials & Methods in Bus. Education	2

DEPARTMENT OF FINE ARTS

ART

B.A. IN ART EDUCATION 47 Sem, Hrs.

Certifies teachers in art for all grades 1-12.

Art	140	Art Structure and Applied Design	3
Art	141	Art Structure and Applied Design	3
Art	142	Drawing	2

Art	241	Drawing from Life	2
Art	242	Drawing and Painting from Life	3
Art	261	Painting in Oil	3
Art	363	Watercolor Painting	3
Art	283	Modeling and Sculpture	2
Art	255	History and Appreciation of Art	2
Art	278	Ancient and Medieval Art	3
Art	377	Italian and Northern Renaissance Art	3
Art	378	Nineteenth Century and Contemporary Art	3
Art	353	Elementary Art Education	2
Art	431	Secondary Art Education	2
Art	383	Ceramics	3
		Electives	8

NOTE: If student elects English or Social Studies as a subject specialization, grades 5-9, it is possible to fulfill requirements in this program.

B.A. IN EDUCATION 36 Sem. Hrs.

Certifies teachers in grades 7-12.

Art	140	Art Structure and Applied Design	3
Art	141	Art Structure and Applied Design	3
Art	142	Drawing	2
Art	241	Drawing from Life	2
Art	261	Oil Painting	2
Art	363	Watercolor Painting	3
Art	283	Modeling and Sculpture	2
Art	383	Ceramics	3
Art	255	Art History and Appreciation	3
Art	278	Ancient and Medieval Art	3
Art	377	Italian and Northern Renaissance Art	3
Art	378	Nineteenth Century and Contemporary Art	3
Art	353	Elementary Art Education	3
Art	431	Secondary Art Education	2

B.A. IN EDUCATION 27 Sem. Hrs.

Certifies teachers in junior and senior high school, 7-12

Required courses: Art 140; 142; 241; 255; 283 or 383; 431; 278, 377 or 378; 261; 363. Elective 3 hours.

Subject specialization for grades 5-9 27 Sem. Hrs.

Required courses: Art 140; 141; 142; 241; 255; 283 or 383; 353; 363. Elective 6 hours.

DEPARTMENT OF FINE ARTS

MUSIC

Music Requirements for the
Bachelor of Arts Degree in Education 53 Sem. Hrs.

Music—Vocal Comprehensive

Required Areas:

Music Theory: 16
*Music 109E, Beginning Theory (2)
(Does not apply to theory requirement and

may be eliminated by examination)			
Music 109, 110, First Year Theory		8	16
Music 209, 210, Second Year Theory		8	
Music History and Appreciation:			6
Music 313, 314, Music History		6	
Conducting:			4
Music 345, Conducting		2	
Music 346, Conducting		2	
Applied Music: ******See Applied Music Levels			18
Instrumental:			
Music 211, String Class I, II	1		
Music 213, Beginning Brass Class I, II	1		
Music 215, Woodwind Class I, II	1		
Music 217, Percussion Class I, II	1		
Elective, Instrumental Class II on advice of instructor	1		
**Music 170, Lab. Band-Orchestra	N.C.		
***Piano:		5	
Music 105, Piano Class	1		
Music 106, Piano Class	1		
Music 107, Piano I	1		
Music 107, Piano II	1		
Music 107, Piano III	1		
****Music 320, Keyboard Accompaniment			
Voice:		7	
Applied Major: Voice			
Music 141, Voice I-VII	7		
Senior Recital		1	
Music 454			
Participation:			4
*****Choir, band or small ensembles			
Music Education:			5
Music 430 Vocal and Instrumental Methods for the Secondary Schools		3	
Music 431 (Block) General Music, Grades 1-9			2
Music Requirements for the Bachelor of Arts Degree in Education			53 Sem. Hrs.

Music, Instrumental Comprehensive—Piano or Organ

Required Areas:

Theory:		16
*Music 109E, Beginning Theory	2	
Music 109, 110, First Year Theory	8	
Music 209, 210, Second Year Theory	8	
Music History and Appreciation:		6
Music 313, 314		6

Conducting:			4
Music 345, 346, Conducting		4	
Applied Music:			18
Instrumental:			
Classes:		5	
Music 211, Beg. String Class I, II	1		
Music 213, Beg. Brass Class I, II	1		
Music 215, Beg. Woodwind I, II	1		
Music 217, Beg Percussion I, II	1		
Elective, Instrumental Class II on advice of instructor			
**Music 170, Lab. Band-Orchestra	N.C.		
Instrumental Applied Minor (4)			
Piano:		7	
Piano Applied Major or Organ Applied Major (Piano and organ majors will be required to have a four hour applied minor either in vocal or instrumental)			
Voice:		1	
Music 139, Voice Class			
Vocal Applied Minor (4)			
Senior Recital (See gen. requirement)		1	
Applied Minor:		4	
Participation:			4
*****Band, choir or small ensembles			
Music Education:			5
Music 430		3	
Vocal and Instrumental Methods for the Secondary Schools			
Music 431 (Block)		2	
General Music, Grades 1-9			

*, **, *****—See page 20

Music Requirements for the Bachelor of Arts Degree in Education 53 Sem. Hrs.

Music, Instrumental Comprehensive (7-12)

Required Areas:

Music Theory:		16
*Music 109E, Beginning Theory	2	
Music 109, 110, First Year Theory	8	
Music 209, 210, Second Year Theory	8	
Music History and Appreciation:		6
Music 313, 314, Music History	6	
Conducting:		4
Music 345, 346, Conducting	4	
Applied Music: ******See Applied Music Levels		18
Instrumental:		
Applied Major	7	
Classes:	5	

Music 211, Beg. String Class I, II	1		
Music 213, Reg. Brass Class I, II	1		
Music 215, Beg. Woodwind Class I, II	1		
Music 217, Beg. Percussion Class I, II	1		
Elective, Instrumental Class II on advice of instructor	1		
**Music 170, Lab. Band-Orchestra	N.C.		
***Piano		4	
Music 105-106, Class Piano	2		
Music 107, Piano I, II	2		
Voice:		1	
Music 139, Voice Class	1		
Senior Recital (See gen. requirements)		1	
Participation:			4
*****Band, choir and small ensembles		4	
Music Education:			5
Music 430 Vocal and Instrumental Methods for the Secondary Schools		3	
Music 431 (Block) General Music, Grades 1-9			2

*Music 109E, Beginning Theory: This course required of all music majors and elementary specialists, but may be eliminated upon examination.

**Laboratory Band-Orchestra is held once each week for no credit (NC).

All persons taking Music 211, 212, 213, 215, and 217 are required to participate.

***Piano is required of all music students. At the completion of the required number of hours (4), each student must pass the piano proficiency examination. It failed, the student must continue to take piano until the piano proficiency exam is passed. This requirement is necessary for a degree in music. A student who so desires, may take the piano exam after completing one or more hours of piano. If passed, he may be excused from the remaining hours which must be added to music electives in the applied area.

****Music 320, Keyboard Accompanying, may be substituted for applied piano.

*****All students majoring or minoring in music are required to participate in at least one campus music major performance group during each semester of college registration. When the required number of participation credit toward the area of music electives.

******Applied Music Levels: Upon entering this institution, all music majors will be assigned an applied level of performance by the faculty jury in either vocal or instrumental. Each student will be required to complete at least one applied level a year or its equivalent for a total of 4 levels. It is desirable that music majors complete 7 in their major applied area. See Fairmont State College Bulletin Supplement, Applied Music Requirements."

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

SOCIAL STUDIES (Comprehensive) 59 Sem. Hrs.

*History 111	History of Civilization	3
*History 112	History of Civilization	3
*History 207	United States History	3
*History 208	United States History	3
*History 302	West Virginia History	3
	American History elective Hist. 312, 315, 317, 320, or 410	3
	European History elective Hist. 330, 331, 340, or 341	3
	Advanced History elective Any history course not used to meet one of the above requirements	3
*Sociology 210	Introductory Sociology	3
	Advanced Sociology Sociology 301 or 305	3
*Pol. Sci. 103	American National Government	3
	Advanced Political Science	3
*Geography 210	World Regional Georgraphy	3
	Advanced Geography	3
*Economics 201	Economic Principles and Problems	3
Economics 202	Economic Principles and Problems	3
History 431	Special Methods (in Social Studies)	2
	History and Social Science electives An additional nine hours to be chosen from any one or several of the areas involved: economics, geography, history, sociology, or political science. This requirement may be waived if the student (1) takes twelves hours of a foreign language, or (2) completes a second teaching field	9

*Subject Specialization—Required of students qualifying for Professional Certificate with specialization in Social Studies, grades 5 through 9.

DEPARTMENT OF INDUSTRIAL ARTS

INDUSTRIAL ARTS (Comprehensive) 56 Sem. Hrs.

I. E. 101	Basic Electricity	2
I. E. 110	Basic Electronics	2
I. E. 120	Graphics I	2
I. E. 220	Graphics II	2
I. E. 160	Basic Woodwooking I	2
I. E. 260	Basic Woodworking II	2
I. E. 165	Cold Metal Processing	2
I. E. 265	Hot Metal Processing	2
I. E. 180	Materials and Processes of Industry	2
I. E. 181	General Shop I	2
I. E. 281	General Shop II	2
I. E. 381	Administration and Organization of Industrial Arts	2
I. E. 380	History & Philosophy of Industry Arts	2

I. E. 481	General Shop III	2
I. E. 385	School Shop Maintenance I	2
I. E. 431	Methods and Materials	2
	Electives	24

Select twelve hour each from two of the following areas of specialization. (Graphics, Woods, Electricity-Electronics, Metals)

GRAPHICS

I. E. 121	Engineering	2
I. E. 122	Architectural Drafting I	2
I. E. 123	Machine Design	2
I. E. 221	Graphic Illustration	2
I. E. 222	Architectural Drafting II	2
I. E. 223	Jig and Fixtures	2
I. E. 320	Techniques	2
I. E. 321	Structural Drafting I	2
I. E. 323	Electrical Graphics I	2
I. E. 421	Drafting, Planning and Scheduling	2
I. E. 423	Electrical Graphics II	2

WOODS

I. E. 122	Architectural Drafting I	2
I. E. 166	Building Construction I	2
I. E. 170	Strength of Materials	2
I. E. 222	Architectural Drafting II	2
I. E. 266	Building Construction II	2
I. E. 366	Construction Lab I	2
I. E. 382	Furniture Construction	2
I. E. 385	School Shop Maintenance I	2
I. E. 391	Woodworking III	2
I. E. 466	Construction Lab II	2
I. E. 482	Cabinet Making I	2
I. E. 491	Wood Finishing	2

ELECTRICITY-ELECTRONICS

I. E. 204	Electrical Machinery DC	2
I. E. 205	Electrical Machinery AC	2
I. E. 315	Instrumentation	2
I. E. 316	Electronics I	2
I. E. 323	Electrical Graphics I	2
I. E. 415	Electrical Maintenance	2
I. E. 417	Electronics II	2
I. E. 423	Electrical Graphics II	2

METALS

I. E. 161	Arc Welding I	2
I. E. 162	Gas Welding I	2
I. E. 163	Sheet Metal I	2
I. E. 167	Machine Shop I	2
I. E. 261	Arc Welding II	2
I. E. 262	Gas Welding II	2
I. E. 263	Sheet Metal II	3
I. E. 267	Machine Shop II	2
I. E. 360	Metallurgy	2
I. E. 370	Manufacturing Processes I	2

I. E. 470	Manufacturing Processes II	2
I. E. 485	Maintenance II	2

GENERAL ELECTIVES

I. E. 186	Recreational Crafts	2
I. E. 274	Plastics	2
I. E. 279	Ceramics	2
I. E. 286	Crafts	2
I. E. 371	Thermodynamics	2
I. E. 374	Plastics	2
I. E. 386	Industrial Arts for the Ele. Teacher	2
I. E. 392	Blue Print Reading	2-3
I. E. 445	Hydraulics	2

Second teaching field for high school certification same as General Shop Requirements.

Students who choose the general shop certification may add unit shop certification by completing six additional semester hours of work in one of the areas of specialization.

Subject Specialization for Grades 5-9 24 Sem. Hrs.

I. E. 101	Basic Electricity	2
I. E. 120	Graphics I	2
I. E. 160	Basic Woodworking I	2
I. E. 165	Cold Metal Processing	2
I. E. 180	Materials and Processes of Industry	2
I. E. 181	General Shop I	2
I. E. 281	General Shop II	2
I. E. 286	Crafts	2
I. E. 380	Philosophy of Industrial Arts	2
I. E. 381	Organization and Administration of Industrial Arts	2
I. E. 386	Industrial Arts for the Elementary Teacher	2
I. E. 481	General Shop III	2

General Shop Certification 32 Sem. Hrs.

I. E. 101	Basic Electricity	2
I. E. 110	Basic Electronics	2
I. E. 120	Graphics I	2
I. E. 160	Basic Woodworking I	2
I. E. 165	Cold Metal Processing	2
I. E. 180	Materials and Processes of Industry	2
I. E. 181	General Shop I	2
I. E. 220	Graphics II	2
I. E. 260	Basic Woodworking II	2
I. E. 265	Hot Metal Processing	2
I. E. 281	General Shop II	2
I. E. 380	History and Philosophy of Industrial Arts	2
I. E. 381	Organization and Administration of Industrial Arts	2
I. E. 385	School Shop Maintenance I	2
I. E. 481	General Shop III	2
I. E. 431	Method and Materials	2

DEPARTMENT OF LANGUAGES AND LITERATURE

THE LANGUAGE ARTS (Comprehensive) 56 Sem. Hrs.

English 102	Written English	3
English 104	Written English	3

English 208	Advanced Written English	3
English 321	Study of the English Language	3
English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3
English 262	Survey of American Literature	3
English 300-400	level literature courses	6
Speech 105	Voice and Diction	3
Speech 151	Play Production	2
Speech 221	Oral Interpretation	2
Speech 243	Debate	2
Speech 245	Oratory or	1
Speech 401	Extemporaneous Speaking	
Speech 336	Play Directing	2
Speech 430	Speech Correction	3
Journalism 240	Reporting	3
Journalism 312	Publication Problems	3
English 431	Method in Teaching English	

ENGLISH (First teaching field, grades 7-12) 38 Sem. Hrs.

English 102	Written English	3
English 104	Written English	3
English 208	Advanced Written English	3
English 321	Study of the English Language	3
English 300-400	level language electives	3
English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3
English 262	Survey of American Literature	3
English 300-400	level literature electives	9
English 431	Methods in Teaching English	2

ENGLISH (Second teaching field, grades 7-12) 36 Sem. Hrs.

Same as first field minus English 430, Methods in Teaching English

LANGUAGE ARTS (Subject specialization, grades 5-9) 24 Sem. Hrs.

English 102	Written English	3
English 104	Written English	3
English 208	Advanced Written English	3
English 321	Study of the English Language	3
English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3
English 262	Survey of American Literature	3

FRENCH

FRENCH (Teaching field, grades 7-12) 30 Sem. Hrs.

French 101	Elementary French	3
French 102	Elementary French	3
French 201	Second Year French	3
French 202	Second Year French	3
French 308	Conversation or	3
French 309	Advanced Grammar and Composition	
French 400	Seminar	3

Electric from the following courses 12

French 301	Literature of the 17th Century	3
French 302	Literature of the 18th Century	3
French 309	Advanced Grammer and Composition	3
French 421	Literature of the 19th Century	3
French 422	Literature of the 19th Century	3
French 431	French Civilization and Culture	3
French 321	Contemporary Literature	3

DEPARTMENT OF MATHEMATICS

MATHEMATICS* (Comprehensive)*** 30 Sem. Hrs.

Mathematics 116	Calculus I	4
Mathematics 215	Calculus II	4
Mathematics 216	Calculus III	4
Mathematics 361	Abstract Algebra	3
Mathematics 431	Special Methods	2
Mathematics 372	Modern Geometry	3

Electives from the following courses 6

Mathematics 200	Mathematical Logic	3
Mathematics 201	Mathematical Logic	3
Mathematics 362	Linear Algebra	3
Mathematics 335	Probability and Statistics	3
Mathematics 336	Probability and Statistics	3
Mathematics 342	Numerical Analysis	3
Mathematics 372	Modern Geometry	3
Mathematics 391	Introduction to Analysis	3
Mathematics 393	Intro. to Found. of Mathematics	3
Mathematics 401	Differential Equations	3
Mathematics 411	Advanced Calculus	3

MATHEMATICS** (Teaching Field, grades 7-12) 18 Sem. Hrs.

Mathematics 116	Calculus I	4
Mathematics 215	Calculus II	4
Mathematics 216	Calculus III	4
Mathematics 361	Abstract Algebra	3

Electives from the following courses 3

Mathematics 200	Mathematical Logic	3
Mathematics 201	Mathematical Logic	3
Mathematics 362	Linear Algebra	3
Mathematics 335	Probability and Statistics	3
Mathematics 336	Probability and Statistics	3
Mathematics 342	Numerical Analysis	3
Mathematics 372	Modern Geometry	3
Mathematics 391	Introduction to Analysis	3
Mathematics 393	Intro. to Found. of Mathematics	3
Mathematics 401	Differential Equations	3
Mathematics 411	Advanced Calculus	3

*It is expected that students will present a minimum of four units of secondary school mathematics including two units of algebra, one unit of integrated geometry (or equivalent), and a fourth unit requiring algebra and geometry as prerequisites. Students who present less than this expected preparation may be required to complete appropriate courses from among Math 109, 111, 112, 115, in addition to the above requirements.

**Students selecting the 18 semester hour program in Mathematics shall complete another specialization for grades seven through twelve.

***See: Special Examination for Course Credit, for information concerning credit for prerequisites. Pg. 18, 1963-65 Catalog.

DEPARTMENT OF PHYSICAL EDUCATION, RECREATION, SAFETY, AND HEALTH

	Requirements (Women)	Grades 7-12	Grades 5-9
		38 Hrs.	26 Hrs.
		(6)	
304	Anatomy and Physiology	3	
305	Kinesiology	3	
	FOUNDATIONS		
		(8)	(2)
252	Philosophy and Principles		
351	History	3	
360	Evaluation		
462	Organization and Administration	3	
408	Adapted Physical Education	2	2
	HEALTH AND SAFETY		
		(9)	(9)
100	Personal Health		
101	First Aid	3	3
202	Community Health		
203	Safety	3	3
310	School Health Problems	3	3
	ACTIVITIES		
		(15)	(15)
111	Track and Field	1	1
112	Field Hockey	1	1
113	Softball		1
116	Soccer	1	1
117	Basketball	1	1
128	Tumbling	1	1
129	Gymnastics	1	
134	Volleyball		1
135	Fundamental Skills		1
148	Modern Dance	1	2
227	LaCrosse		
232	Swimming		
236	Tennis		
247	Folk and Square Dance	2	2
328	Games and Rhythms for the Ele. School		2
329	P. E. Program in the Ele. School		2
326	Coaching & Officiating Volleyball, Hockey and Soccer	3	
327	Coaching & Officiating Basketball, Track, Softball and LaCrosse	3	

Courses in Physical Education to satisfy general education requirement for women students.

	First Semester	Hrs.		Second Semester	Hrs.
112	Field Hockey	1	111	Track & Field	1
116	Soccer	1	113	Softball	1
117	Basketball	1	143	Individual Sports	1
134	Volleyball	1	132	Beginning Swimming	1
135	Fundamental Skills	1	232	Intermediate Swimming	1
136	Bowling	1	134	Volleyball	1
128	Tumbling	1	128	Tumbling	1
132	Beginning Swimming	1	227	LaCrosse	1
146	Social Dance	1			
232	Intermediate Swimming	1			

Requirements (Men)		Grades 7-12 34 Hrs.		Grades 5-9 24 Hrs.	
SCIENCE			(6)		(3)
304	Anatomy	3		3	
305	Kinesiology	3			
407	Physiology of Exercise				
FOUNDATIONS			(8)		(3)
351	History of Physical Education	3			
252	Philosophy and Principles				
462	Organization, Administration Methods	3		3	
360	Evaluating and Assisting	3			
408	Adapted Physical Education	2			
HEALTH AND SAFETY EDUCATION			(8)		(6)
100	Personal Health	3		3	
101	First Aid	3		3	
202	Community Health				
203	Safety				
310	School Health Problems	3			
PHYSICAL EDUCATION ACTIVITIES			(12)		(12)
114	Freshman Orientation	1		1	
115	Freshman Orientation	1		1	
118	Fundamental Skills and Exercise				
119	Gymnastics				
132	Swimming				
146	Rhythm and Dance Activities				
240	Team Sports				
241	Individual and Dual				
FUNDAMENTALS, PRACTICE, THEORY OF:					
321	Basketball				
322	Football				
323	Baseball				
324	Wrestling				
325	Track				

DEPARTMENT OF SCIENCE

BIOLOGICAL SCIENCE and BIOLOGICAL, GENERAL-EARTH SCIENCE (Comprehensive) 54 Sem. Hrs.

Required in Biological Science 24 Sem. Hrs.

Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3

From Group A-Minimum 6

Biology 201	General Botany	4
Biology 330	Field Botany	3
Biology 340	Plant Kingdom I	3
Biology 341	Plant Kingdom II	3
Biology 371	Plant Anatomy	3
Biology 451	Plant Physiology	3

From Group B-Minimum 6

Biology 220	Invertebrate Zoology	4
Biology	Vertebrate Zoology	4
Biology 315	Field Zoology	3
Biology 322	Ornithology	2
Biology 350	Comparative Vertebrate Anatomy	4
Biology 410	Histological Technique	1-4
Biology 411	Histology	1-4
Biology 420	Vetebrate Embryology	4
Biology 450	Human Physiology	4

Electives: May be elected from groups A and /or B or from group C listed below. 6

From Group C-no minimum requirement

Biology 224	Microbiology	3
Biology 242	Bio-ecology	2
Biology 380	Genetics	3
Biology 390	Biology of the Endocrines	3
Biology 415	Problems in Biology	1-4
Biology 460	Biological Colloquim	1
Biology 480	Principles of Evolution	2

Required related courses 30 Sem. Hrs.

Chemistry 101	General Chemistry	4
Chemistry 102	General Chemistry	4
Physics 101	Introduction to Physics	4
Physics 102	Introduction to Physics	4
*Geology 201	Physical Geology	3
*Physics 202	Astronomy	3
Mathematics 110 or higher		6
Science 431	Methods and Materials	2

*Not required for those who do not wish to qualify for a comprehensive field.

GENERAL-EARTH SCIENCE (Subject specialization, grades 5-9) 28 Sem. Hrs.

Chemistry 101	General Chemistry	4
Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3
Phy. Sci. 201, 202	General Physical Science	
	or	
Chem. 101, 102	General Chemistry	6-8
	or	
Physics 101, 102	Introduction to Physics	

Geology 201	Physical Geology	3
Physics 202	Astronomy	3
Physics 201	Demonstrations in Physics	3
Electives from Biology, Chemistry, Physics		6-8

CHEMISTRY

CHEMISTRY, General-Earth Science

(Teaching Field, grades 7-12) 46 Sem. Hrs.

Chemistry 101	General Chemistry	4
Chemistry 102	General Chemistry	4
Chemistry 201	Qualitative Analysis	4
Chemistry 202	Quantitative Analysis	4
Chemistry 301	Organic Chemistry	4
Chemistry 302	Organic Chemistry	4
Physics 101	Introduction to Physics	4
Physics 102	Introduction to Physics	4
Geology 201	Physical Geology	3
Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3
Science 431	Methods and Materials	2

PHYSICS

PHYSICS, General-Earth Science 46 Sem. Hrs.

Chemistry 101	General Chemistry	4
Chemistry 102	General Chemistry	4
Physics 101	Introduction to Physics	4
Physics 102	Introduction to Physics	4
Physics 201	Demonstrations in Physics	3
Physics 310	Electricity and Electronics	4
Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3
Geology 201	Physical Geology	3
Physics 202	Astronomy	3
Electives	Minimum of 5 hours in Physics	9
	Chemistry 0-4 hrs.	
	Physics 5-9 hrs.	
Science 431	Methods and Materials	2

DEPARTMENT OF SCIENCE

Home Economics

HOME ECONOMICS (Comprehensive) 42 Sem. Hrs.

Clothing-Textiles

Home Economics 101	Principles of Clothing Construction	2
Home Economics 102	Advanced Clothing Construction	3
Home Economics 103	Principles of Clothing Selection	2
Home Economics 210	Textiles	3

Family Relations-(Child Development)

Home Economics 310	Family Life	3
Home Economics 330	Child Care and Development	3

Foods-Nutrition

Home Economics 201	Prin. of Food Selection & Preparation	3
Home Economics 202	Advanced Foods	3
Home Economics 303	Nutrition	3

Home Management, Household Equipment, Family Economics

Home Economics 312	Consumer Education	3
Home Economics 315	Home Management	3
Home Economics 316	Household Equipment	2

Housing, Home Furnishings

Home Economics 320	Home Planning and Furnishings	3
Home Economics 320L	Lab for 320	1
Home Economics 351	Home Arts	3
Home Economics 431	Home Economics Techniques	2

General Chemistry 101 and 102 strongly recommended.

HOME ECONOMICS (Subject specialization, grades 5-9) 24 or 25 Sem. Hrs.

Home Economics 101	Principles of Clothing Construction	2
Home Economics 103	Principles of Clothing Selection	2
Home Economics 201	Prin. of Food Selection & Preparation	3
	or	
Home Economics 202	Advanced Foods	
Home Economics 303	Nutrition	3
Home Economics 310	Family Life	3
Home Economics 315	Home Management	3
	or	
Home Economics 312	Consumer Education	
Home Economics 316	Household Equipment	2-3
	or	
Home Economics 210	Textiles	
Home Economics 320	Home Planning and Furnishing	3
Home Economics 330	Child Care and Development	3

General Chemistry strongly recommended.

DEPARTMENT OF SPEECH AND DRAMATICS

First Teaching Field 30 Sem. Hrs.

Speech Science

Speech 105	Voice and Diction	3

Public Address

Speech 210	Advanced English	3
Speach 237	Effective Speaking	2
Speech 243	Argumentation and Debate	2
Speech 245	Oratory	1

Oral Interpretation

Speech 221	Oral Interpretation	

Speech Correction and Audiology

Speech 430	Speech Correction	3

Dramatics

Speech 151	Play Production	2
Speech 251	Acting	2
Speech 336	Play Directing	2
Speech 336L	Play Directing Lab.	1

Radio and Television

Speech 330	Fundamentals of Radio and TV	2

Electives fro classes listed below 5

Speech 222	Advanced Oral Interpretation	2
Speech 244	Intercollegiate Debating	1-4
Speech 401	Extemporaneous Speaking	1
Speech 334	Radio Production	2
Speech 334L	Radio Production Lab.	1
Speech 101	Fundamentals of Speech	3
Speech 120	Theatre Appreciation	2
Speech 152-452	Theatre Workshop	1-2
Speech 252	Acting Workshop	1-4
Speech 301-301L	Make-up	1-2
Speech 321	Summer Theatre: Rehearsal and Performance	1-3
Speech 322	Summer Theatre: Production and Management	1-3
Speech 331	Children's Drama	2
Speech 331L	Children's Drama Lab.	1
Speech 345	Speech Problems of Children	3
Speech 440	Speech and Drama Seminar	1
Speech 431	Methods and Materials	2

Second Teaching Field 24 Sem. Hrs.

Required courses:
Speech 105, 151, 210, 220, 237, 243, 245, 330, 336, 336L, 430

Electives: Any speech offering.

LIBRARY SCIENCE

Teacher Librarian 18 Sem. Hrs.

Library Science 300	Reference and Bibliography	3
Library Science 302	Catalog and Classification	3
Library Science 304	Organization and Administration	3
Library Science 306	Library Practice	3
English 207	Children's Literature	3
Education 424	Audio-Visual Aids	3

Elective in library materials for adolescents 3

A student selecting Teacher Librarian as a specialization shall complete another specialization for grades 7-12.

COURSES OF INSTRUCTION

DEPARTMENT OF COMMERCE
BUSINESS ADMINISTRATION

102. **Introduction to Business** Three Hours

A survey of the various fields of business designed to acquaint the student with the basic principles, practices, and employment opportunities of each field. The student is provided, early in his college training, with the information of, and preparation for, the advanced courses in business to aid in choosing his major studies.
Mr. Dunn

141. **Business Mathematics** Three Hours

This course is designed to provide knowledge and skill in the computation of the practicial problems of a business. The course content should form a sound basis for further study in the following areas: accounting, business finance, marketing, and related business subjects. Special emphasis will be directed to review of the basic arithmetic skills. The course is designed to meet the requirements of mathematics for students in business administration. Credit cannot be earned in Business 141 and any course offered by the Mathematics Department except for those in Business Education. Mrs. Caperton

201. **Principles of Accounting** Three hours

Fundamental bookeeping procedures. Organization of accounts, journalizing and posting, expense and revenue, adjustments and closing procedures, and the preparation of financial and operating statements for individual proprietorships. Mr. Potesta

202. **Principles of Accounting** Three hours

The first and second semesters of this course are designed to give students an adequate grounding in the recording, classifying and summarizing phases of accounting in order to proceed with the interpretation of accounting data. This course is a basic course for (1) accounting majors, (2) majors in other areas of business administration, and (3) those whose major interest is in economics, political science, law, or other professional areas. Mr. Potesta

205. **Salesmanship** Three hours

A study of techniques appropriate to personal selling, both retail and contact. Students are given opportunities to construct and give sales presentations. Mrs. Caperton

227. **Industrial Organization for Technicial Education** Three hours

This course is a survey of the production division in modern industry. A study is made of principles and techniques of organization plans; production planning, routing, scheduling, dispatching and control; physical layouts for production; production standards, purchasing

and inventory control; and staffing problems in production. Emphasis is placed on application of these principles in operating management.
Staff

301. **Advanced Accounting** Three hours

Interpretation and use of accounting data. Accounting theories applicable to the evaluation of assets and determination of liabilities and net worth. Contemporary accounting problems receive full attention including current tax practice and procedures. PR: Bus. 201, 202.
Mr. Potesta

302. **Advanced Accounting** Three hours

Continuation of 301. Accounting for partnerships, installment sales, consignment sales, branch accounting, consolidated statements, and estates and trusts. PR: Bus. 301. Mr. Potesta

304. **Marketing** Three hours

A study of those business activities that direct the flow of goods and services from producers to consumers. PR. Econ. 201, 202, or consent of instructor. Mrs. Caperton

306. **Business Law** Three hours

A study of the nature and function of our legal system, courts and procedure including the fundamentals of the law of contracts, agency and partnership. Mr. Potesta

307. **Business Law** Three hours

Continuation of 306. Fundamentals of the law of corporations, sales, negotiable instruments and the legal basis of property as applied to business situations. Business 307 will not satisfy 3 hours requirement in the teaching field of Commerce Business Principles
Mr. Potesta

308. **Personnel Management** Three hours

A study of the field of personnel management and industrial relations including its background, development, and modern practices.
Mr. Jaynes

309. **Industrial Organization and Management** Three hours

The emphasis in this course is on the modern approach to the field of management. Attention is directed to analysis and extensive use of the case study method where the instructional material is related to business enterprise in operation. Mr. Jaynes

310. **Statistics (Offered in alternate years.)** Three hours

The course includes computation of statistical measurements, methods of collecting and analyzing data, and the interpreting of results.
Mr. Jaynes

312. **General Insurance (Offered in alternate years.)** Three hours

A course designed to acquaint the student with the various types of insurance, both personal and business, to better prepare him to make his own insurance plans as well as to inform him concerning many types of insurable risks. Mr. Jaynes

314. **Office Management** Two hours

The study of office management principles, analysis of office procedures, filing, transcribing, correspondence, reports, business machines and forms. The application of personnel management techniques to office management, office organization and office layouts. Mr. Dunn

320. **Principles of Advertising** Three hours

A survey course of the social, psychological, and some technical aspects of advertising. For Business and Journalism students. Staff

327. **Accounting for Technical Education** Three hours

This course is designed to provide the student with (1) knowledge of tools and techniques for record keeping, reporting and interpretation of finances in industrial operation and (2) an understanding of cost problems involved in industrial production. A study is made of the principles of general accounting and methods of accounting for cost as used in industry. Emphasis is placed on development of skill in communication and understanding of problems between finance and production. Staff

401. **Business Finance** Three hours

This course is intended to give the student a background in the field of financial management with emphasis on the areas of cost of capital, cost of external equity capital, cost of retained earnings, and similar concepts. It will also include material investment decisions and financial decisions. PR: Bus. 201, 202. Mr. Dunn

404. **Cost Accounting** Three hours

The relationship of cost accounting to the performance of management functions. The roll of cost and profit data in management pursuit of company objections is studied with four basic points of view in mind: (1) cost principle, (2) cost determination, (3) cost control and (4) cost analysis. Mr. Potesta

405. **Auditing** Three hours

Duties and responsibilities of auditors, methods of verification of of balance sheet and income and expense accounts with the applicable principles of internal control. Preparation of working papers, schedules, audit reports and certificates. PR: Bus. 201, 202, 301, 302, 404. Mr.Potesta

406. **Federal Income Tax Accounting: Individual** Three hours

Preparation of income tax returns from the accounts of an individual; exclusions and inclusions for gross income, capital gains and losses, business expenses and other deductions. Staff

407. **Federal Income Tax Accounting: Partnership and Corporation** Two-Three hours

Continuation of 406, including preparation of income tax returns from accounts of partnerships, estates and trusts, and corporation. PR: Bus. 406. While previous accounting knowledge or experience will be helpful, no prior accounting training, knowledge, or experience is required. Staff

410. **Investments** Three hours

A study of the principles of investment procedures and practices to follow in investing money. Mr. Jaynes

416. **Sales Management (Offered in alternate years.)** Three hours

A study of managing a sales organization. Attention will be given to sales administration, sales personnel, distributor-dealer relations, merchandise management, market management, and marketing cost management. PR: Bus. 205 or consent of instructor. Mrs. Caperton

417. **Credits and Collections (Offered in alternate years.)** Three hours

A study of consumer credit management, mercantile credit management, technical and legal aspects of collection, and control of these PR: Bus. 304 recommended but not required. Mrs. Caperton

431. **Materials and Methods in Business Education** Two hours

The latest methods, procedures, and techniques of teaching the skilled and nonskilled Business Education courses. Audio visual resources and equipment available for the teaching of these subjects will be studied. Students will participate and observe classroom teaching. Staff

ECONOMICS

101. **American Business and Industry** Three hours

A study of the principal American industries with emphasis on their contributions and place in the American economy. Geography, technology, competition, economic structure, and history of each major industry group is developed. Mr. Dunn

201. **Economic Principles and Problems** Three hours
(Required course for general education.)

The course approaches the subject from the point of view of Macro-student needing three hours for the general education requirement. The course approaches the subject from the point of view of Macroeeconomics covering the nature and method of economics and describing how the capitalistic system functions. Further study is made of the business cycle, fiscal policy, monetary policy, gross national product and similar concepts. Some time is devoted to the study of competing economic systems. Staff

202. **Economic Principles and Problems** Three hours
(For those meeting the requirement of six hours in Economics)

This course is devoted to Microeconomics. It follows the analysis of the firm and the decisions made by the managers of the firm. It includes the analysis of demand and supply and price and output determination. It is also concerned with the important problems in the field of economics: Monopoly, agriculture, international trade, labor, economic development and similar problems.

303. **Money, Credit, and Banking** Three hours

An intensive study of money and credit principles with an analysis of their effects upon prices. History of banking. Banking principles and practices. PR: Economics 201, 202. Mr. Jaynes

307. **Personal Finance** Three hours

A study of the problems a consumer must face in his or her day-to-day buying and living. It includes a brief survey of budgets, life insurance, investments, managing personal finances, buying services, and other problems of the consumer. Primarily intended as a general education course for non-majors. Mr. Jaynes

405. **Economic Analysis** Three hours

This course is intended to provide the student with experience in economic analysis with a purpose to develop the power of decision-making. Material to be studied will include the areas of forecasting, economic measurements, capital management, and similar subjects. It is intended to provide the advanced student with a review of economics and with its application to business practice. PR: 18 hours of Economics and Business. Mr. Jaynes

406. **Guided Economy Study** One-Three hours

Intensive reading, research, and study in current literature and documents in regard to a selected economic problem or group of problems. The field of study will be one in which the student has a special interest. All work will be done individually and the class will be conducted by conferences with each student. PR: 17 hours of Economics, Business, and Social Science courses. Staff

SECRETARIAL STUDIES

101. **Beginning Typewriting** Two hours

A beginning course in the fundamentals of the typewriter. This course includes basic machine operations, development of speed and control, vertical and horizontal centering, simple tabulation, memorandums, personal business letters, announcements, simple manuscripts, rough drafts and proof-readers marks. No credit by examination. Staff

102. **Intermediate Typewriting** Two hours

PR: S.S. 101 or one year of high school typing or the equivalent. This course includes the development of speed ,control, and sustained typing, business letters, envelopes, tabulated reports, manuscripts, changing typewriter ribbon, and simple business forms. No credit by examination. Staff

104. **Secretarial Accounting** Three hours

Designed to meet the needs of the terminal secretarial student. Trains in the fundamental accounting procedures that will be encountered by the secretary. It develops the understanding and interpretation of accounting principles. Cannot substitute for Business 201 or Business 202. Staff

201. **Beginning Shorthand** Four hours

Beginning course in shorthand. Introduction of theory and brief forms of Gregg Diamond Jubilee Shorthand. Emphasis is on reading and writing of shorthand at 60 words per minute. No credit by examination. Staff

202. **Beginning Shorthand** Four hours

PR: 201 or one year of high school shorthand. Continuation of S. S. 201. Emphasis is on the writing of shorthand from dictation at a minimum of 80 words per minute. No credit by examination. Staff

211. **Advanced Typewriting** Two hours

PR: 102. An advanced course in electric typewriting adapted to office procedures. This course includes the typing of telegrams, cards, statistical reports, tabulation, business letters with tabulated data, invoices, requisitions, typing of special reports, legal documents, changing typewriter ribbon, and sustained typing. No credit by examination. Staff

251. **Business Correspondence** Two hours

PR: S.S. 102, English 102, 104. An analysis of the physical mechanics of the business letter. This course includes the writing of effective business letters in sales, collection letters, letters of application, telegrams, cablegrams, business reports, and post office services. No credit by examination. Staff

301. **Advanced Shorthand and Transcription** Four hours

PR: S.S. 202 or 2 years of high school shorthand. Emphasis is on the writing of shorthand at a minimum of 100 words per minute and producing mailable transcripts, spelling, punctuation and sentence structure are stressed. A complete review of brief forms and derivatives is included. Sustained dictation and transcription of a departmental business vocabulary is emphasized. No credit by examination. Staff

302. **Advanced Shorthand and Transcription** Four hours

PR: S.S. 301. A continuation of S.S. 301. Emphasis is on dictation at a minimum of 120 words per minute and producing mailable transcripts. Sustained dictation and transcription of a vocational vocabulary is emphasized. No credit by examination. Staff

303. **Principles and Practices of Filing** Two hours

Designed to train in the speed and accuracy of the latest filing procedures. Actual practice in Alphabetic, Variadex, Numeric, Geographic, and Soundex filing systems.

311. **Office Machines** Two hours

An orientation and practice course for students in the Business or

Secretarial Studies areas. Approximately two-thirds of the course time is given to practice with representative calculating, duplicating and transcribing equipment. No credit by examination. Mr. Dunn

314. **Dictation and Transcription** Two hours

PR: Consent of Instructor. A course combining the skills of shorthand, typewriting and English in the process of typewritten transscription. The course includes a systematic review of the major principles of shorthand with emphasis on spelling, punctuation, dictation transcription techniques. Staff

351. **Secretarial Office Practice** Two hours

The course includes all phases of office routine and procedures. Class lecture is supplemented by a field trip, films, and guest speakers from local and state industries. Mrs. Pinto

351L. **Secretarial Office Practice Lab** One hour

A practical course with actual experience in an office. A total of 90 hours in supervised office work is required for credit in the course. Previous work experience cannot fulfill this requirement. PR: S.S. 211, 302, 2.0 average in major, minor and overall, i.e. for all work attempted. Mrs. Pinto

DEPARTMENT OF FINE ARTS

ART

140. **Art Structure and Applied Design** Three hours

A basic course in the principles of design applicable to various media and techniques

141. **Art Structure and Applied Design** Three hours

A continuation of Art 140.

142. **Drawing** Two hours

The development of technical skills in the use of various drawing media with a continuation of problems of composition.

241. **Drawing from Life** Two hours

Drawing from the posed model accompanied by analytical studies of anatomy.

242. **Drawing and Painting from Life** Three hours

Continuation of Art 241.

255. **History and Appreciation of Art** Two hours

Emphasis upon art in contemporary living. Considers the social political, and economic impact upon historical backgrounds and modern developments in various art fields.

261. **Painting in Oil** Three hours

A course designed for those who have had no previous work in painting in oil. PR: Art 142.

262. **Painting in Oil** Three hours

Continuation of Art 261.

278. **Ancient and Medieval Art** Three hours

History of Art from Prehistoric times to 1400 A.D. An analysis of the philosophical, religious, and political beliefs and conditions that produced various artistic expressions. PR: Art 255.

283. **Modeling and Sculpture** Two hours

Introductory course using clay modeling, plaster, and metal sculpture.

284. **Modeling and Sculpture** Two-Three hours

Continuation of Art 283.

341. **Lithography** Two hours

A study of the methods of reproducing drawings by using the grease crayon on stone and printing from it with the offset press.

353. **Elementary Art Education** Three hours

Art related to the general educational program of the elementary school. Experience in drawing, painting, poster, and design using various media suitable for children.

361. **Painting in Oil** Two-Three hours

Still life, landscape, and figure painting in oil.

362. **Painting in Oil** Two-Three hours

Continuation of Art 361.

363. **Painting in Watercolor** Two-Three hours

Composition and techniques of painting in watercolor. PR: 142.

364. **Painting in Watercolor** Two-Three hours

Continuation of 363.

377. **Italian and Northern Renaissance Art** Three hours

History of painting, sculpture, architecture, and the minor arts in Italy, the Netherlands, Germany, Spain, France, and England from circa 1400 A.D. to the 19th century.

378. **Nineteenth Century and Contemporary Art** Three hours

History of art from the 19th century to the present with an analysis of art movements.

383. **Ceramics** Two-Three hours

Ceramic design and techniques, such as slab, coil, wheel, etc. for beginners.

384. **Ceramics** Two-Three hours

Continuation of Art 383.

431. **Secondary Art Education** Two hours

Planning and application of problems for high schools. Coordinated with the Education Department and the public schools. Designed for students who are practice teaching or for teachers in service.

461. **Advanced Painting in Oil** Two-Three hours

462. **Advanced Painting in Oil** Two-Three hours

Continuation of 461.

463. **Painting in Any Medium** Two-Three hours

The student is permitted to select the medium and then experimentally exploit all the technical and creative possibilities that it permits

491. **Interior Design** Three hours

Problems of designing and furnishing the home. Considers traditional backgrounds and contemporary development.

DEPARTMENT OF FINE ARTS

MUSIC

103. **Organ I-VIII** One hour

One thirty minute lesson per week. The program of study will be fitted to the individual needs of the student. One hour of private practice per day is required. Acceptance of the student will be the prerogative of the instructor. Miss Moody

105. **Class Piano I-II** One hour

This course is designed for all students interested in beginning piano. This will be conducted as a class with each member being offered opportunity for participation. Miss Moody

107. **Piano I-VIII** One hour

One thirty minute lesson per week. Sue description under Music 103. Miss Moody

109E. **Beginning Theory** Two hours

This course is designed for beginning music students who need additional background in Theory. Credit for this class is also used as the theory requirement for elementary teachers with music as a minor assignment. This class may be omitted from a student's program on examination. Mr. Robinson

109. **Theory** Four hours

This course is designed to acquaint music majors and minors with the techniques of the 18th and 19th century styles of composition. The following elements are included: chord structure and progressions (harmony); application of these principles to the piano (keyboard); correlating the eye and the ear (diction and sight singing); understanding of phrase structure (form and analysis. PR: 109E. Mr. Gragson

110. **Theory** Four hours

A continuation of 109. PR: 109. Mr. Gragson

139. **Class Voice** One hour

Course consists of a study of the fundamentals of voice production: breathing, resonance, articulation and style. Mr. Robinson

141. **Voice I-VIII** One hour

Open to students who have sufficient musical background and vocal quality to merit individual instruction. The principles of proper vocal production are stressed with later emphasis upon solo repertoire in English, Italian, German and French. Mr. Robinson

167. **"Collegiates" I-VIII** One hour

A select touring choir. Members must be enrolled in Music 173, College Chorus, or may try out by consent of the instructor. PR: Audition. Miss Moody

169. **Band I-VIII** One hour

Open to all students who can play an instrument needed to keep a balanced organization. The program of procedure is designed to present study of band literature and administration through participation. PR: tryout. Mr. Gragson

170. **Laboratory, Band and Orchestra** No Credit

Required of students taking music 211, 213, 215, 217. Open to all students upon instructor's acceptance. This course provides review experiences in playing instruments at the beginning and intermediate levels. Staff

173. **College Chorus I-VIII** One hour

Open to all students who can sing a part. This course is designed to present a study of choral literature, and administration through participation. PR: tryout. Miss Moody

Individual Instruction in Band and Orchestral Instruments

The following courses numbered 177 through 199 are open to students with sufficient musical background to benefit from individual instruction in the techniques of playing band and orchestral instruments. One thirty-minute lesson per week. Acceptance of the student will be the prerogative of the instructor. One hour of private practice per day required.

177.	**Percussion I-VIII**	One hour
179.	**Saxophone I-VIII**	One hour
181.	**Flute I-VIII**	One hour
183.	**Clarinet I-VIII**	One hour
185.	**Oboe I-VIII**	One hour
187.	**Bassoon I-VIII**	One hour
189.	**Trumpet or Cornet**	One hour
191.	**Baritone Horn I-VIII**	One hour
193.	**French Horn I-VIII**	One hour
195.	**Trombone I-VIII**	One hour
197.	**Tuba I-VIII**	One hour
	Strings: Violin, 200 I-VIII; Viola, 201 I-VII; Cello, 202, I-VIII; Bass, 203 I-VIII	One hour

205. **Music Appreciation** Two Hours

A general music course in appreciation required of all students. Music of composers of the classical, romantic, and modern periods are discussed, and compositions of these composers are heard through the medium of recordings.

209. **Theory** Four hours

Continuation of Music 110. Emphasis is placed on modulation and the choral style of composition. PR: Music 110. Mr. Gragson

210. **Theory** Four hours

Continuation of Music 209 with the introduction of the contrapuntal style. PR: 209. Mr. Gragson

211. **String Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of string instruments is attained through class instruction.

213. **Brass Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of brass instruments is attained through class instruction. Mr. Gragson

215. **Woodwind Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of the instruments of the woodwind choir is attained through class instruction. Mr. Gragson

217. **Percussion Class I, II** One hour

Open to all students with sufficient background in music. A working knowledge of percussion instruments is attained through class instruction. Mr. Gragson

231. **Elementary Music I** Three hours

This course gives the student a background in theory, terminology of music, scale building, rhythm, use of syllables, numbers and letters in music reading, chord construction, and use of the keyboard and autoharp. Two lecture hours and one laboratory hour per week. Required of all elementary teachers. Mr. Wellock

232. **Elementary Music II** Three hours

This course includes materials, methods and procedures for carrying out the music program in the elementary grades one through six. PR: Music 331. Mr. Wellock

234. **Advanced Vocal Ensemble I-VIII (Male Quartette)** One hour

Open to advanced vocal students. PR: audition Mr. Robinson

247. **Stage Band I-VIII** One hour

Open to advanced instrumental students. PR: audition. Mr. Gragson

249. **Advanced Instrumental Woodwind Ensemble I-VIII** One hour

Open to advanced woodwind students. PR: audition Mr. Hamilton

275. **Advanced Brass Instrumental Ensemble I-VIII** One hour

Open to advanced instrumental students. Designed to give students an opportunity to participate in small ensembles. Groups meet on a regular weekly rehearsal schedule under faculty direction. PR: audition. Mr. Gragson

277. **Advanced Vocal Ensemble I-VIII (Madrigal Singers)** One hour

Open to advanced vocal students. Designed to give students experience in small ensemble participation. Groups meet on a regular rehearsal schedule under faculty direction. PR: audition. Mr. Robinson

309. **Orchestration** Two hours

Basic instrumentation and arranging for band and orchestra. PR: 210, elective only. Mr. Gragson

310. **Counterpoint** Two hours

A study of the style and technique involved in the writing of 16th century polyphonic music. PR: 210, elective only. Mr. Gragson

313. **History** Three hours

This course traces music from the early Greek through the Baroque periods, with emphasis on recognition of styles and composers. PR: 209. Mr.Robinson.

314. **History** Three hours

A continuation of Music 313 covering the Classical and Romantic periods. PR: Music 313. Mr. Robinson.

320. **Techniques of Keyboard Accompanying** One hour.

A course designed to acquaint advanced students of piano and organ with the techniques involved in playing accompaniments for performing groups and soloists. Regularly scheduled laboratory experiences in playing accompaniments for vocal and instrumental soloists and ensembles will be provided. This course may be substituted for applied piano. PR: Permission of instructor. Miss Moody.

345. **Choral Conducting** Two hours.

This course includes the basic techniques needed for the conducting of Junior and Senior High School music groups. Baton techniques, interpretation, score reading, and repertoire are emphasized. PR: 209. Mr. Robinson.

346. **Instrumental Conducting** Two hours

This course includes the basic techniques needed for conducting Junior and Senior High School instrumental music groups. Baton techniques, interpretation, score reading, repertoire, and elementary orchestration are emphasized. PR: 209. Mr. Gragson.

430. **Vocal and Instrumental Methods for the Secondary Schools** Three hours.

Study of techniques, methods and materials used in teaching and administrating vocal and instrumental programs in the secondary schools. PR: Music 345. Mr. Wellock.

431. **General Music, Grades 1-9 (Block)** Two hours.

This course deals with techniques, methods, and materials used in teaching and administrating elementary and general music classes, Grades 1-9. Mr. Wellock.

440. **Senior Recital (See General Music Requirements)** One hour.

All music majors are required to present a senior recital or its equivalent before the faculty jury or public. Staff.

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

EDUCATION

200. **Introduction to Education** Two hours

An analysis will be made of teaching as a career. A self-analysis will be made by the student to ascertain his probable fitness for the profession of teaching. It is a prerequisite for Education 302. Not open to students who have credit in six hours or more of professional education. Open to sophomores only.

302. **Human Growth and Development** Three hours

The aim of the course is to develop an interest in and an understanding of the child as a developing personality. Observations are required PR: Ed. 200.

303. **Human Growth and Development** Three hours

This course is a study of the learning process and its relationship to the growth and development of the individual. PR: Education 302.

395. **Survey of Guidance** Three hours

Principles of educational, vocational and personal guidance are examined. Guidance techniques are studied. PR: Education 302 and 303.

400. **Foundations of Education** Two hours

This course is designed to provide an opportunity for students to explore social, historical and philosophical theories and their implications for the interpretation of educational thought and procedure.

405. **Materials and General Elementary Methods** Two hours

PR: Education 302 and 303.

410. **Methods in Elementary Language Arts** Two hours

PR: Education 302 and 303.

415. **Methods of Elementary Social Studies** Two hours

PR: Education 302 and 303.

420. **Observation and Directed Teaching (Elementary)** Three-Seven hours

Student teaching must be on two levels. PR: Education 302, 303, 400, 405, 410, 415 and consent of the instructor.

424. **Audio-Visual Aids** Three hours

Techniques of effective use of graphic materials, unprojected pictures, objects, specimens, models, field journey, projected pictures, and audio aids. Required laboratory work includes operation of sound motion picture projectors, slide film, and opaque projectors, and phono-transcription audio equipment.

425. **Observation and Directed Teaching (Grades 1-12)** Three-Seven hours

For non-academic students seeking certification in grades 1-12. PR: Ed. 302, 303, 405, 442, 440 and consent of the instructor.

430. **Methods of Teaching Reading in the Secondary Schools** Two hours

PR: Education 302 and 303.

431. **Materials and Methods** Two hours

A course in special methods. Chairmen of departments of subject matter fields requiring unique and special methods may offer this course in cooperation with the Department of Education after securing approval. PR: Education 302, 303.

440. **Principles of Teaching in the Secondary Schools** Two hours

PR: Education 302 and 303.

442. **General Methods of Teaching in the Secondary Schools** Two hours

450. **Observation and Directed Teaching (Secondary)** Seven hours

PR: Education 302, 303, 400, 430, 440, 442 and consent of the instructor.

PSYCHOLOGY

103. **General Psychology** Three hours

An elementary introduction to the viewpoint, methods and principles of the science of behavior. Three hours lecture weekly.

250. **Experimental Psychology** Three hours

An introduction of procedures of experimental research, including principal topics of investigation, their representative experimental designs and laboratory techniques. Two hours lecture, two hours laboratory weekly. PR: Psychology 103.

300. **Psychology of Personal Adjustment** Three hours

A basic course in the analysis of human behavior. Special emphasis is given to the mechanisms of adjustment and the development of a systematic adjustment theory. Three hours lecture weekly. PR: Psychology 103.

325. **Abnormal Psychology** Three hours

PR: Psychology 103.

350. **Statistics** Three hours

Elementary statistical description and analysis as employed particularly in the behavioral sciences. Three hours lecture weekly.

375. **Physiological Psychology** Three hours

Discussion of research on physiological mechanisms in behavior. Principle concern will be with central nervous functions. Three hours lecture weekly. PR: Psychology 103.

400. **Psychometrics** Three hours

General theory of measurement as involved in various areas of psychology such as psychological tests, attitude scales, psychophysics, and quantified behavior theory. Three hours lecture weekly. PR: Psychology 350.

425. **Clinical Psychology** Three hours

Consideration of theory and evidence dealing with various topics of clinical application such as personality theory, theory of behavior disorders, techniques of diagnosis and therapy. Three hours lecture. PR: Psychology 400 or consent.

460. **Seminar** Three hours

Discussion of specific research topics as reported in contemporary literature. Each student will complete an individual research project. PR: consent of instructor.

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

HISTORY

111. **History of Civilization** Three hours.

A survey of the history of man from the earliest times to the beginning of the modern era. Staff.

112. **History of Civilization** Three hours.

A survey of the history of man from the beginning of the modern era to the present time. Staff.

207. **United States History** Three hours.

A survey course in United States history from the Age of Discoveries to the Reconstruction era. Staff.

208. **United States History** Three hours.

A survey course in United States history from the Reconstruction era to the present time. Staff.

302. **West Virginia History** Three hours.

A study of West Virginia history, government, and geography from the first settlements to the present time. PR: History 207, 208. Mr. Turner.

310. **History of England** Three hours.

A survey of English history from 1066 to the present. PR: History 111, 112. Staff.

312. **Diplomatic History of the United States** Three hours.

A study of the foreign relations of the United States and the development of basic American foreign policies from the colonial period to the present. PR: History 207, 208. Mr. Billups.

315. **Colonial America** Three hours.

A study of the American colonies from their beginnings to the end of the Revolutionary War. PR: History 207.

317. **The Civil War and Reconstruction** Three hours.

PR: History 207, 208. Staff.

320. **American Economic History** Three hours.

A survey of the economic development of the United States from the colonial period to the present. PR: History 207, 208. Mr. Turner.

330. **Emergence of Modern Europe, 1300-1763** Three hours.

A study of the development of Europe's national monarchies, the rise of capitalism and mercantilism, religious history from the Reformation to Pietism and Deism, and European intellectual achievement from the Renaissance to the Enlightenment. PR: History 111, 112. Mr. Willertz.

331. **Revolution and Counter-Revolution, 1763-1850** Three hours.

A study of the causes of the French Revolution, the Revolution itself, the career of Napoleon, and the conflict or revolutionary and counter-revolutionary forces in the post-Napoleonic era. PR: History 111,112. Mr. Willertz.

340. **Europe from 1850 to 1919** Three hours.

PR: History 112. Miss Ayers.

341. **Europe from 1919 to the Present** Three hours.

PR: History 112. Miss Ayers.

350. **Latin America: The Colonial Period** Three hours.

A survey of Latin American history from 1492 to 1821. PR: Hist. 111, 112. Mr. Williman.

351. **Latin America: The National Period** Three hours.

A survey of the history of the Latin American nations from 1821 to the present. PR: History 111, 112. Mr. Williman.

360. **European Intellectual History** Three hours.

A study of the main currents of European thought and their important relationships with the historical setting. PR: History 111, 112. Staff

370. **American Intellectual History** Three hours.

A study of the main currents of American thought and their impact on the evolution of American history. PR: History 207, 208. Staff.

410. **Recent America** Three hours.

United States history from 1929 to the present. PR: Hist. 208. Mr. Turner.

421. **History of Russia** Three hours.

Russian national development from its origin to the present. Emphasis upon the nineteenth and twentieth centuries. PR: History 112. Miss Ayers.

422. **History of the Far East** Three hours.

A brief survey of the cultural development of China, Japan and Korea to 1800, and a more detailed analysis of the impact of the West upon these areas from 1800 to the present. PR: History 112. Miss Ayers.

423. **History of Southeast Asia** Two hours.

A survey of Southeast Asia with primary emphasis on India and Pakistan as a culture center. Major topics include: Western colonialism, movements of nationalism, problems of independence, and international relations. PR: Hist. 112. Miss Ayers.

431. **Special Methods** Three hours.

Methods of teaching the social studies in the secondary schools. Staff

460. **Guided Historical Study** Three hours.

Intensive reading on a selected topic or problem in American history. PR: Consent of instructor. Staff.

461. **Guided Historical Study** One-Three hours.

Intensive reading on a selected topic or problem in European history. PR: Consent of instructor. Staff.

470. **Seminar** Three hours.

Intensive study of a selected topic with emphasis on individual research, report writing, and discussion. PR: Consent of instructor. Staff

POLITICAL SCIENCE

103. **American National Government** Three hours.

A survey of American government devoted to the consideration of the origins, constitutional basis, and functions of the Federal System. Mr. Troisi.

200. **Principles of International Relations** Three hours.

A study designed to acquaint the student with the theory and practice of international relations. PR: Political Science 103. Mr. Troisi.

203. **Comparative Government** Three hours.

A survey designed to give a broad general acquaintance with the political institutions and government practices of certain nations. PR: Pol. Sci. 103. Mr. Troisi.

303. **Political Parties** Three hours.

A study of the origins, growth, and development of the American political party. PR: Pol. Sci. 103. Mr. Troisi.

305. **American Political Theory** Three hours.

A study of the political literature which has given expression to the ideas of individual liberty enjoyed by American citizens. PR: Pol. Sci. 103. Mr. Troisi.

406. **International Problems** Three hours.

The foreign policies of the nations and the machinery established and functioning for the peaceful adjustments of international differences. PR: Pol. Sci. 103 and consent of instructor. Mr. Troisi.

410. **Problems in American Government** Three hours.

A study of current problems affecting the structure and function of American national government. PR: Pol. Sci. 103 and consent of instructor. Mr. Troisi.

SOCIOLOGY

210. **Introductory Sociology** Three hours.

A study of the structure, function, and change in culture and society. Staff.

301. **Anthropology** Three hours.

A study of human biological and social origins, including human prehistory, race, the origin and nature of culture, social organization among preliterate peoples, cultural diffusion, and culture change. PR: Soc. 210. Staff.

305. **Social Psychology** Three hours.

A study of social structure and social interaction. Techniques of leadership and control will receive special study. PR: Soc. 210. Psychology 103 recommended. Staff.

310. **Marriage and the Family** Three hours.

A study of the background, organization, and function of the American family. Courtship, marriage, marriage adjustment, parenthood, family disorganization and the effect of social change upon the family will be studied. Open to those with credit in H. Ec. 210 and Hlth. 310 only by special arrangement. PR: Soc. 210. Staff.

320. **Rural Sociology** Three hours.

A study of the characteristics of rural society including its culture, social relationships, and institutions. Rural society is studied in comparison with urban society as a part of American Society. PR: Soc. 210. Staff

330. Urban Sociology Three hours.

A study of the characteristics of urban society including its culture, social relationships and institutions. Urban society is studied in comparison with rural society as a part of the American Society. PR: Soc. 210. Staff.

340. Juvenile Delinquency Three hours.

A study of what society defines as delinquent behavior and of the young people designated as delinquents. Emphasis will be placed on the causes of delinquency and on the various techniques and methods of prevention, treatment, and rehabilitation. PR: Soc. 210. Staff.

360. The Field of Social Work Three hours.

A study of the history and development of social work with special emphasis upon modern social work agencies and the services which they render. Various types of social work will be considered from the standpoint of the prospective social worker. PR: Soc. 210. Staff.

410. Industrial Sociology Three hours.

A study of the organization, structure, function and social relationship found in the various areas of industrial activity found in American society. The area of industrial relations will receive special emphasis. PR: Soc. 210. Staff.

430. Community Organization Three hours

A study of the structure and function of the various social groupings found in the community. The course is oriented toward the development of community leadership talent. PR: Soc. 210. Staff.

450. Minority Groups Three hours.

A study of racial and cultural minority groups in the United States with special emphasis upon understanding the cause of their persistence and the reason for majority-minority antagonisms. A study of the techniques whereby prejudices are developed and reduced will be made. PR: Soc. 210. Staff.

460. Social Problems One-Three hours.

A study of representative social dislocations in important areas of human relationships. PR: Soc. 210. Staff.

470. Sociological Theory Three hours.

A study of the theoretical basis of modern sociological thought, institutions and organizations. PR: Soc. 210. Staff.

490. Seminar: Sociological Literature Three hours.

A course designed to use original sources and publications not primarily used as texts. PR: Junior standing with 12 hours of sociology. Staff.

499. **Seminar: Special Problems in Sociology** One-Three hours.

Open only by juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's need. PR: Junior standing with 12 hours of sociology. Staff.

DEPARTMENT OF INDUSTRIAL ARTS

Course Descriptions

101. **Basic Electricity** Two hours

A general coverage of AC and DC circuits and the electric theory, resistance, electrical units, power, magnetism, instruments, capacitance, inductance, and multiphase systems. Staff

110. **Basic Electronics** Two hours

Introduction to use of basic electronic instruments. Characteristics of vacuum tube and semiconductor devices. Small signal amplifiers. Electron ballistics, charge behavior in materials, emission of electrons, semiconductors and vacuum diodes. Control devices (vacuum tubes and transistors). Staff

120. **Graphics I** Two hours

A study of drawing as the universal language of industry. This course is on the college level for beginners. It includes lettering, orthographic projection, developed surfaces, sectional views, working drawings, and blueprinting. Mr. Wise-Staff

121. **Engineering Drafting** Two hours

This course is planned to include the following topics: Care and use of instruments, lettering, orthographic projections, use of auxiliary projections, tracing and blueprinting. PR: 120. Mr. Wise-Staff

122. **Architectural Drafting I** Two hours

A course in the study of houses. It includes architectural lettering and conventions, plans, and elevations, and a study of building materials and specification. PR: 120. Mr. Wise-Staff

123. **Machine Design** Two hours

A course in which the characteristics of metals and machine parts are studied. Typical machine elements such as screw threads, cams, and gears are drawn and blueprinted. PR: 121. Mr. Wise-Staff

160. **Hand Woodworking I** Two hours

A beginning course of wood work in which materials, tools, tool processes, fastenings, and construction are studied. Construction work consists of projects, embodying typical tool operations and an introduction to power machines. Mr. Johnson-Staff

161. **Arc Welding I** Two hours

The care, operation, use, maintenance, methods, and safety precautions necessary in the welding of common metals by the use of the arc welder. Welding will be done with AC and DC welding machines, oxy-arc cutting process and the Hiliarc Process dealing with hard-to-weld metals. Mr. Leonard

162. **Gas Welding I** Two hours

The care, operation, use, maintenance, and methods of welding and brazing the common metals using the oxy-acetylene welding torch. Mr. Leonard

163. **Sheet Metal I** Two hours

A beginning course including instruction in laying out surface patterns, making useful articles involving typical stretch out, joints, wiring, soldering, and riveting. Staff

165. **Cold Metal Processing** Two hours

Laboratory course in the basic use of tools and techniques used in the shaping, forming, drilling, tapping, and joining of the ferrous metals in a cold state. Use and care of the hand tools and layout procedures. Methods of fastening and holding. Staff

166. **Building Construction, Residential I** Two hours

Actual construction of small buildings and the problems involved in the erection of the building from the ground up. Summers only. PR: 160, 122, 222, or 12 hours of I.E. work. Staff

167. **Machine Shop I** Two hours

A beginning course in the fundamental hand and machine tools. Study will involve care and operation of the lathe, drill press, power hack saw, Do-All, and surface grinder. Material and tool specifications will be introduced. Mr. Leonard

170. **Strength of Materials I** Two hours
A study of stresses and strains in tension, compression, shear, flexure and torsion. Strength of joints, heat tests, insulating values and fire resistance. Staff

171. **Strength of Materials II** Two hours

A continuation of I.E. 170. Staff

180. **Materials and Processes of Industry** Two hours

A study of the many materials which are to be used in the technical courses which follow. Emphasis is given each material and its particular qualities. Staff

181. **General Shop I** Two hours
Designed to run concurrently with I.E. 180 to develop basic understanding of public school industrial arts and to permit beginning students to examine its many areas of learning. Staff

186. **Recreational Crafts** Two hours

A course for students expecting to work with boy scouts, girl scouts, youth and adult groups including playground and church school craft activities. Staff

190. Industrial Orientation No credit

An orientation course designed to give the freshman student a general view of the engineering technician and his place on the engineering team. In addition will be included such subjects as "How to Study", (precision measurements, use of the library, and general information about the college. Staff

191. Personnel Problems and Labor Relations Two hours

A seminar dealing with the problems of labor and management. Wage and hour laws and industrial regulations. Mr. Fowler

192. Personnel Administration Two hours

A study of personnel management, industrial supervision, and labor-union relations. Also included are job evaluation, wage systems, and merit rating. Staff

204. Electrical Machinery DC Two hours

Laws of direct current circuits. Line drop, power and work, circular mil measure. Measurement of current, voltage, resistance and electrical power. Three wire distribution circuits. Permanent magnets, laws of magnetism, electromagnets. Faraday's law of induction, direction and value of induced emf. Lenz's law of induction, self and mutual induction. Capacitance construction and theory of operation, capacitance in series parallel. DC generators and motors. PR: 101. Staff

205. Electrical Machinery AC Two hours

Lecture demonstrations and laboratory work on single and polyphase motors. To include types of motors, across the line starting equipment, remote control circuits, protection devices, maintenance schedules and trouble shooting. PR: 101. Staff

220. Graphics II Two hours

Special problems in mechanical drawing. This course is designed to fill the needs of those who wish to study a special phase of drafting such as the use of the angular perspective method, techniques of inking, and advanced machine drafting. PR: 120, 121. Mr. Wise

221. Graphic Illustration Two hours

Industrial illustrating. This course involves a study of machine design, metals, and alloys. Small machine assemblies will be drawn by the exploded view method showing all parts in relation to other parts. This type of drawing is used extensively by industry for assembly purposes. PR: 120, 123. Mr. Wise

222. Architectural Drafting II Two hours

A continuation of 122 in which design of houses, building materials, specifications, and cost of construction is studied. Each student will develop a complete set of plans, specifications, and cost estimates for his own house. PR: 120, 122. Mr. Wise

223. **Jigs and Fixtures** Two hours

Instruction in the design of cutting tools, drill jigs, milling fixtures and press tools. Basic principles covering the proper locating, supporting and clamping of parts in jigs and fixtures. The use of company catalogs in the selection of standard tool design accessories is emphasized. PR: 120. Staff

260. **Basic Woodworking II** Two hours

A study of the principles of cabinet construction and design as applied to furniture manufacture. Woodworking machines are used in the construction of projects involving the problems studied. PR: 160. Staff

261. **Arc Welding II** Two hours

Advanced techniques in the selection and use of heats, special rods, and fluxes used in the welding of piping and machine components made of materials other than mild steel. PR: 161. Staff

262. **Gas Welding II** Two hours

Advanced techniques in the selection and use of heats, special rods, and fluxes used in the welding of piping, and machine components made of materials other than mild steel. PR: 162. Staff

263. **Sheet Metal II** Two hours

A continuation from Sheet Metal I. Advanced work will be offered in lay-out problems, joints, and other typical sheet metal situations commonly found in duct work. PR: 163. Staff

265. **Hot Metal Processing** Two hours

Tools and processes involved in the shaping of metals at an elevated temperature, elementary welding, forge and foundry work in the non-ferrous metals, heat treatment, and oxide coloring. Staff

266. **Building Construction, ndustrial II** Two hours

Technical information and advanced problems of roof framing, cornice construction, exterior finish. Actual work on buildings. PR: 166. Staff

267. **Machine Shop II** Two hours

This class leads the advanced student into the problems, and methods of solving these problems in milling machine operations. Gearing problems, equations, gear cutting methods, and the necesary related technical information forms the basis of this course. PR: 167. Mr. Leonard

274. **Plastics I** Two hours

The study of materials and their applications in the formation and use of the commonly found industrial plastics, techniques of fabrication, coloring and finishing. Staff

279. Ceramics I Two hours

Principles of materials preparation. Hand forming, drawing, firing, and glazing of ceramic articles. Staff

281. General Shop II Two hours

Designed to run concurrently with I.E. 381 to teach students to plan, organize and operate a multiple area teaching situation. Staff

286. Crafts Two hours

Craft work in plastics, leathers, and metals. A study will be made of plastics and their uses. Leathercrafts will involve designing, tooling, and surface enrichment. Metal craft will be in copper, brass, silver, and stainless steel involving forming, embossing, chasing, planishing, etching. Staff

315. Controls and Instrumentation Two hours

Analysis of direct and alternating current motor starting equipment, across the line and step starters, safety devices and remote control circuits. Basic vacuum tubes, power supplies, voltage amplifiers, phase shift circuits, and electronic motor control circuits. PR: 101-110. Staff

316. Electronics I Two hours

Experimental study and analysis of rectification with filtering, small signal vacuum tube, amplifier transistor, single stage and cascade amplifiers. Familiarization with high frequency and pulse equipment and measuring techniques. Use of vacuum and transistor analyzers and curve tracers. PR: 110. Staff

320. Drafting Room Techniques I Two hours

Analysis of patent drafting, technical and legal consultation, preliminary sketch and drawings, indentures, expressions, and final drafts. PR: Six semester hours in drafting. Staff

321. Structural Drafting Two hours

The design and checking of suitable steel sections to be used as beams, girders, lintels, columns and struts, the design of simple frames, and the use of bar joists, and open web long span joists, the design of timber beams, girders, columns, and wood floors. Different types of fasteners are discussed and vector diagrams are employed to solve for the loads of the various members of a frame. In addition to static loads, wind and impact loads are dealt with. PR: 120, 122, 222. Staff

322. Architectural Design Two hours

Advanced problems of architectural design, incorporating the classical motifs in the overall scheme of housing and building plans. Shades and shadows, perspective, detailing, and the making of a model will complete the architectural sequences. PR: 122, 222. Mr. Wise

323. **Electrical Graphics I** Two hours

Use of instruments, understanding of lines and techniques in drawing them, lettering, orthographic projection, geometric construction, dimensioning and notation, blueprinting, auxiliary projections. PR: 120, 101. Staff

345. **Pneumatics** Two hours

Principles and practices in the use of compressed air as a form of power. Valves and controls, power pistons, pressure relief devices, and other elements necessary in the effective use of air in the operation of equipment. Staff

360. **Metallurgy** Two hours

The solid state in metals, alloys of iron and carbon, heat treatment of steel, Martempering, Austempering and case hardening, alloy steels, tool and die steels, heat treatment of age-hardening alloys. Non-ferrous material. Staff

366. **Construction Theory & Lab I** Two hours

Introductory course in construction materials and methods. Physical and mechanical properties of wood. Grades of wood construction. Types of construction. Cement, gypsum, and masonry materials methods. Foundations. Staff

370. **Manufacturing Processes I** Two hours

Experience on lathes, milling machines, shapers, planers, drill presses, surface and bench grinders, bench work, use and care of micrometers and measuring tools. Application of threading, turning, facing, taper turning on lathes. Use of the plain dividing head and other milling attachments. Drill grinding. Machine shop safety regulations. Forming flat surfaces on shapers and planers. Power sawing applications. Staff

371. **Thermodynamics** Two hours

A basic study of thermodynamic properties of substances, work and heat relationships, the conservation of energy and the various processes of an ideal gas. Extensive applications of these principles to practical problems involving heat exchanges, nozzles and steam turbines. Staff

372. **Surveying** Two hours

Instruction in the use of the engineer's tape, transit, and level and the methods of recording field data in note form. Field problems associated with the theory will cover horizontal and vertical measurements, differential, profile and other leveling operations, and angular and bearing measurements with the transit. Also included is traverse layout and computing. CR: or PR: Math through Trig. Staff

373. **Computing and Estimating** Two hours

Problems of approximate and exact methods of taking off quantities from plans; methods of arriving at lump sum and unit prices, and estimating total costs from quantities; accepted methods of itemizing preliminary and final estimates. Staff

374. **Plastics II** Two hours

Industrial applications to the use of both thermo-plastic and thermo-setting, injection molding, heat forming, chemical fusion, cements and adhesives. PR: 274. Staff

375. **Plumbing and Sanitation** Two hours

Study of commercial and residential sanitary systems, sizing and layout of plumbing and sanitary systems, terminology and the interpretation and application of the governing codes. Staff

376. **Heating and Air Conditioning** Two hours

Laboratory problems dealing with installation, maintenance and operation of forced warm air heating systems, hot water systems, steam and steam conversion systems, and radiant panel heating systems. System performance testing, air distribution system analysis, equipment operation and ratings. Application of automatic controls and instrumentation of heating systems. Laboratory experiments on design principles of piping systems, duct and duct fittings. PR: 163, 263. Staff

377. **Time and Motion Study** Two hours

Fundamentals of work simplification and motion economy using the techniques of motion and time study for the development of effective methods of production. Staff

378. **Plant Layout and Materials Handling** Two hours

A study of the economical arrangement of stocks, machines, and layout of aisles for efficient handling of materials and production. Staff

380. **Philosophy of Industrial Arts** Two hours

Designed to give the student a historical background of the industrial arts movement as a basis for developing a philosophy as to the place and function of industrial arts in general education. PR: 381 and 12 hours of Industrial Arts courses. Mr. Johnson

381. **Organization and Administration of Industrial Arts** Two hours

Designed to aid the student as a future teacher of industrial arts. Problems of administration, shop arrangement, care of machinery, ordering of materials and supplies, and techniques of shop instruction will be studied. PR: 6 hours of Industrial Arts courses. Mr. Johnson

382. **Furniture Construction and Design** Two hours

Emphasis will be placed upon the study of furniture design and construction. The student will plan completely for projects to be made in 482. PR: 160, 260. Mr. Johnson

385. **School Shop Maintenance I** Two hours

Care, repair, and general maintenance of tools and equipment used in teaching industrial laboratory classes, and the construction of storage facilities, teaching devices, and visual aids. Staff

386. **Industrial Arts for the Elementary Teacher** Two hours

The uses, techniques, and materials particularly adaptable to programs at the beginning level in elementary grades. Emphasis is given to the use of simple and inexpensive tools and materials. Staff

391. **Woodworking III** Two hours

A continuation of 260 with emphasis on the use of advanced techniques in the design and construction of home furniture. Particular attention is given to the use of veneers, inlays, overlays, and other advanced methods of enhancing the finished appearance of projects. PR: 482. Staff

392. **Blueprint Reading** Two-Three hours

A course in the reading of the prints and drawing most commonly found in industrial operations. Emphasis is placed on the development of speed and accuracy in the use of working drawings. Mr. Johnson

415. **Electrical Maintenance** Two hours

Materials, tools, and techniques involved in the maintenance of the electrical and electronic equipment. Switches, breakers, dimmers, timing devices, single and polyphase motors. PR: 101, 315. Staff

417. **Electronics II** Two hours

Rectification and power supplies with filters, small signal amplifier analysis, large signal (power) amplifier analysis, with vacuum tubes and solid state devices integrated throughout. PR: 316. Staff

420. **Drafting Room Techniques II** Two hours

Advanced technical work for specialists in the drafting field. Recent developments, advanced technical and experimental work and technical reports in drafting. PR: 320. Mr. Wise

421. **Drafting, Planning, and Scheduling** Two hours

The administration practice of methods necessary to the effective use of the designing and drafting staffs in the architect's office. Legal requirements, customer relations, cost analysis. PR: 8 semester hours of achitectural or mechanical drafting. Staff

422. **Industrial Design** Two hours

Preparation of plans for a commercial or public building. Sketching and instrument drawings, rendering, and reference to building codes. PR: Six semester hours in architectural drafting courses. Staff

423. **Electrical Graphics II** Two hours

Industrial and communication electronics symbols; elementary and wiring diagrams for 8-C amplifier chassis; composite elementary diagram to wiring diagram of sequence controller; sketch of elementary to wiring diagram of a semi-automatic welding controller. Staff

445. Hydraulics Two hours

A study of the basic concepts, principles and use of industrial oil hydraulics. Material covered will concern the generation, transmission, control and application oil hydraulic power. The laboratory sessions will be devoted to examination of hydraulic units such as pumps, (values) boosters, etc. Laboratory sessions will also be devoted to laying out typical hydraulic circuits. Staff

466. Construction Theory and Lab II Two hours

Modern steel, wood, and masonry construction design methods and practices. Problem in beams, girders, and columns. Concrete analysis. A.S.T.M. testing. Fundamentals of utilities control. Staff

470. Manufacturing Processes II Two hours

Set up and operation of machines and turret lathes. Practice in spiral and differential indexing. Cam milling. Tool and cutter grinders. Surface grinding, machine tool setup, precision level and test bars. Construction of cemented carbide single point tools. PR: 370. Staff

473. Contracts and Specifications Two hours

A study of some of the regular and business aspects of the law pertinent to the engineering profession with special emphasis on various types of contracts used in the construction industry. Instruction also is afforded in the field of bidding procedures and in the availability of surety bonds and insurance. Specifications are analyzed from the standpoint of design and construction features. Staff

474. Codes and Practices Two hours

A study of the general building codes recommended by the National Board of Fire Underwriters and a detailed study of the building codes of local communities. An analysis of building types and the economical use of materials selected for construction. Staff

477. Industrial Management Two hours

A survey of the operational, financial, marketing and accounting activities of industrial organization. A detailed survey of the duties of management as related to production, personnel, and human factors. Staff

478. Production Controls Two hours

Current practices in production planning, routing, scheduling and dispatching, study of production standards, labor efficiency and costs, quantity and quality control. Staff

481. General Shop III Two hours

Designed to run concurrently with I.E. 380 to permit students to strengthen their skills in the various areas of instruction, and to develop a sound philosophy of the comprehensive school shop situation. Staff

482. **Cabinet Making I** Two hours

A continuation of 382. The projects will be made in conformity with the drawings and specifications developed in the previous course. Advanced work in the use of machine tools, techniques, and processes will be stressed. A high level of craftsmanship will be maintained. PR: 160, 382. Mr. Johnson

485. **School Shop Maintenance II** Two hours

A continuation of I.E. 385 with emphasis on industrial application. Staff

490. **Methods and Materials of Teaching Industrial Arts** Two hours

A course in which the particular problems and techniques of teaching Industrial Arts are dealt with. Emphasis is given to the special methods of handling demonstration, use of special teaching aids and other related problems peculiar to the Industrial Arts shop. CR: Education Block. Staff

491. **Wood Finishing** Two hours

A survey course in the materials and methods commonly used in the finishing of furniture and similar articles, and readily applicable to use in high school shop situations. The various types of dyes, stains, shellacs, varnishes, lacquers, and sealers will be used on sample panels. PR: 160. Staff

492. **Work Study Seminar** Four hours

Concepts of the construction and analysis of graphs, charts, and tables. Practical use of handbooks and industrial literature. Discussion of codes of ethics, employment opportunities, letter of application, interviews, and employment references. Engineering and progress reports on work experience. Staff

493. **Work Experience Laboratory** Eight hours

On-the-job work experience in a cooperating industry. CR: 492. Staff

495. **Driver Education** Two hours

A course designed to prepare the licensed driver for teaching driver education programs in high schools. A classroom and laboratory program which requires each class member to teach at least one non-driver. Pre-requisites: Upperclass status, two years of accident-free driving and Health 241, First Aid and Safety Education. Offered each semester and summer. Mr. Johnson

DEPARTMENT OF LANGUAGES AND LITERATURE

ENGLISH

102. **Written English** Three hours

College-level training in writing and speaking good English, including a short review of grammar, sentence structure, and punctuation; attention to the organization and development of thought, both in student compositions and in expository reading material; guidance in the use of reference books.

104. Written English Three hours

A continuation of English 102, with emphasis on reading for implication and critical evaluation; further writing projects, including a research paper.

English 102 and 104 are prerequisites for all English courses numbered 200 or above.

207. Children's Literature Three hours

A survey of literature desirable for children; development of principles of selection and standards of evaluation; wide acquaintance with current books.

208. Advanced Written English Three hours

Practice in writing in which attention to rhetorical principles is a guiding emphasis. PR: English 102, 104.

251. Survey of English Literature Three hours

A study of the mind and temper of the English people as seen in their literature from Beowulf to the Romantic Movement.

252. Survey of English Literature Three hours

A continuation of English 251 through the nineteenth and early twentieth centuries.

261. Survey of American Literature Three hours

An historical study of the American mind as expressed in literature from Colonial times to Hawthorne.

262. Survey of American Literature Three hours

A continuation of English 261 to the literature of present time.

Practice in writing the simpler forms of fiction and personal narra-

302. Narrative and Descriptive Writing Three hours

tive with descriptive detail.

306. Advanced Technical Composition Three hours

A course designed to provide practice in the writing of expository articles and reports of a technical nature largely in the field of engineering.

311. Literature of the Romantic Period Three hours

A concentrated study of the works of such writers as Burns, Wordsworth, Coleridge, Byron, Shelley, and Keats.

312. Literature of the Victorian Period Three hours

A concentrated study of the works of such writers as Tennyson, Browning, Rossetti, Arnold, Swinbourne, Mill, Ruskin, and Carlyle.

313. **Shakespeare** Two hours

A study of representative comedies.

314. **Shakespeare** Two hours

A study of representative tragedies.

317. **Word Study** Three hours

A course in the study of the origins and development of the English vocabulary. Studies in semantics, in synonyms, idioms, foreign phrases, vocabularies of the fields of action.

318. **Modern Drama** Two hours

The history of the British drama and the study of modern dramas—Continental, British, and American—from Isben to the present time.

321. **Study of the English Language** Three hours

Word history and analysis; diction; descriptive grammar and constructions; fundamentals of composition. Required of all prospective teachers of English.

322. **The Short Story** Two hours

A critical study of this art form as a representative of dramatic motivation in human experience, based upon the work of British, Continental, and American authors.

341. **Survey of World Literature** Three hours

A study in translation of some of the great writers of the world, exclusive of English and American; from Homer through Dante.

342. **Survey of World Literature** Three hours

A continuation of 341 covering the period from the Renaissance to modern times.

343. **The Current Scene in Literature** Three hours

A course showing present-day attitudes as reflected in the work of American and foreign writers.

345. **The Novel** Three hours

An historical and critical study of great British and American novels of the nineteenth and twentieth centuries.

348. **The Bible as Literature** Three hours

A study of the literary types and content of the Bible.

353. **Eighteenth Century Literature** Three hours

A study of important British writers of the period, particularly, Swift, Pope, Addison, and Johnson.

360. **Major American Poets** Two hours

A study of leading American poets, particularly Poe, Emerson, Whitman, Dickinson, Frost, Pound, and Eliot.

371. **Folk Literature** Three hours

A survey course whose chief emphasis is on the study of ballads, but kindred material is also studied and collected—superstitions, hymns, riddles, stories, and songs.

413. **Expository Writing** Three hours

Study and practice of the various kinds of expository writing with special emphasis upon the skilled production of research papers.

420. **Seventeenth Century Literature** Three hours

A study of important British writers of the period, including Donne and Herrick, and emphasizing Milton.

430. **Methods of Teaching English** Two hours

Study and practice in the techniques of teaching the fundamentals of grammar and mechanics, composition, and the varied types of literature. Required of all students with a first field in English, and taken during the teaching block in the senior year.

FRENCH

101. **Elementary French** Three hours

Pronunciation, oral comprehension and speaking, reading and written drill and composition, elements of grammar. Laboratory. No credit is given for French 101 without 102.

102. **Elementary French** Three hours

Continuation of 101 completing the basic grammatical principles. One year of high school French is also considered as a satisfactory prerequisite for this course.

201. **Second Year French** Three hours

Reading of excerpts of many types of French writing, drill on difficult passages, verbs, etc. and conversation and comprehension stressed. Laboratory. PR: 101, 102 or two years of high school French.

202. **Second Year French** Three hours

Continuation of French 201. Comprehension, speaking, reading and writing. PR: 201. Lab used.

301. **Literature of the Seventeenth Century** Three hours

Reading of the plays of Corneille, Racine, Moliere with outside reports from other classical writers. Comprehension, speaking, reading and writing all stressed. PR: Two years of college French or equivalent. Lab used.

302. **Literature of Eighteenth Century** Three hours

Authors of The Enlightenment such as Voltaire, Rousseau, Montesquieu, including all types of literature. Comprehension, speaking, reading and writing stressed. PR: Same as for 301. Lab used.

308. **French Conversation** Three hours

Intensive drill in expressions of common usage in the most frequent situations to be encountered by a student. An attempt to develop fluency in speaking and better comprehension of a variety of subjects. PR: French 202. Lab.

309. **Advanced Grammar and Composition** Three hours

Intensive review of basic grammar and study of more obscure grammatical principles developed through the oral-aural method. PR: French 202. Lab.

321. **Contemporary Literature** Three hours

This is 20th Century Literature stressing outstanding writers such as Camus, Mauriac, Maurois, St. Exupery, Gide, etc. Comprehension and speaking stressed. PR: French 202.

400. **Seminar** Three hours

This course is designed to be given the semester preceding the semester when the block is taken. It is an independent study course, preparing each student individually for his teaching. The weaknesses of the student are noted and that phase of his learning is stressed, whether speaking, comprehension, areas of reading he has missed, or writing.

421. **Nineteenth Century Literature to 1850** Three hours

The emphasis in this course is on Romanticism with reading from Chateaubriand, Hugo, Lamartine, De Musset, De Vigny. Excerpts from mid-century writers also are read such as Stendhol, Balzac, Merimee, etc. Comprehension, speaking also stressed in this course.

422. **Nineteenth Century Literature Since 1850** Three hours

The emphasis in this course is on Realism, Naturalism, Symbolism with Flaubert, Zola, De Maupassant, etc. and a number of poets of the symbolist movement read and discussed. Comprehension and speaking French stressed.

431. **French Civilization and Culture** Three hours

This is a broad study of French civilization from its very beginning to the present, dealing with the outstanding periods historically and culturally and the contributions of French to the world of culture. Comprehension, speaking, reading and writing stressed in that order. PR: 12 hours French.

GERMAN

101. **First Year German** Three hours

The elements of German grammar; simple reading exercises, pronunciation; written assignments. No credit for German 101 without 102. years. No credit for German 101 without 102.

102. **First Year German** Three hours

A continuation of the above course; special topics in grammar and greater emphasis on reading. PR: 101 or one unit of high school German. unit of high school German.

201. **Intermediate German** Three hours

Grammar review; composition; conversation; reading of fiction. The principal aim of the course is the reading of narrative moderate difficulty. Offered in alternate years. PR: German 102 or equivalent.

202. **Intermediate German** Three hours

This course continues the work of German 201. Offered in alternate years. PR: German 201 or equivalent.

SPANISH

101. **Elementary Spanish** Three hours

Grammar, pronunciation, composition, translation. No credit toward graduation is given for Spanish 101 without 102. Lab.

102. **Elementary Spanish** Three hours

PR: Spanish 101 or one year of high school Spanish. Lab.

201. **Modern Spanish** Three hours

Rapid reading, grammar and conversation. PR: Spanish 101 and 102 or two years of high school Spanish. Lab.

202. **Modern Spanish** Three hours

PR: Spanish 201. Lab.

DEPARTMENT OF MATHEMATICS

109. **Elementary Geometry** Three hours

An integrated first course of geometry for students who do not have the equivalent course in high school. This course cannot be used as mathematics credit toward certification for teaching mathematics. PR: One unit of high school algebra.

110. **Basic Mathematics** Three hours

An introduction to mathematial concepts underlying the traditional computational techniques. This course cannot be used as mathematics credit toward certification for teaching mathematics.

111. **Intermediate Algebra** Three hours

A course for students deficient in high school algerbra. This course cannot be used as mathematics credit toward certification for teaching mathematics. PR: One unit of high school algebra.

112. **Intermediate Mathematics I** Three hours

An introductory course of integrated algebra, trigonometry, and related topics, for students who have not had an equivalent course in high school. PR: Math 109 and 111, or equivalent.

115. **Intermediate Mathematics II** Four hours

An integrated course of the material traditionally offered in College Algebra and Trigonometry, and related topics. For students who have not completed an equivalent course in high school. PR: Math 112 or equivalent.

116. **Calculus I** Four hours

Integrated analytic geometry and calculus. PR: Math 115 or equivalent.

200. **Mathematical Logic** Three hours

Sentential and general theory of inference, theory of proof and definition, elementary intuitive set theory. PR: Math 115 and consent.

201. **Mathematical Logic** Three hours

A continuation of Math 200. PR: Math 200.

210. **Mathematics for Elementary Teachers** Three hours

This course is designed to meet the mathematics requirement for the certification of elementary teachers. The course is devoted to the structure of the real number system and its sub-systems, as related to the teaching of mathematics in the elementary school. PR: 100 or equivalent.

215. **Calculus II** Four hours

A continuation of Math 116. PR: 116.

216. **Calculus III** Four hours

A continuation of Math 215. PR: 215.

335. **Probability and Statistics** Three hours

PR: Math 215 or consent.

336. **Probability and Statistics** Three hours

PR: Math 335.

342. **Numerical Analysis** Three hours

PR: Math 216 or consent.

361.	**Abstract Algebra** PR: Math 216 or consent.	Three hours
362.	**Linear Algebra** PR: Math 216 or consent.	Three hours
372.	**Modern Geometry** PR: Math 216 or consent.	Three hours
391.	**Introduction to Analysis** PR: Math 216.	Three hours
393.	**Introduction to Foundations of Mathematics** PR: 216 and consent.	Three hours
401.	**Differential Equations** PR: Math 216.	Three hours
411.	**Advanced Calculus** PR: Math 216 and consent.	Three hours
431.	**Special Methods for Teacher Education** PR: Consent.	Two hours

DEPARTMENT OF PHYSICAL EDUCATION, RECREATION, SAFETY AND HEALTH

100.	**Personal Health**	Three hours
101.	**First Aid**	Three hours
111.	**Track and Field**	One hour
112.	**Field Hockey**	One hour
113.	**Softball**	One hour
114.	**Freshman Orientation**	One hour
115.	**Freshman Orientation**	One hour
116.	**Soccer**	One hour
117.	**Basketball**	One hour
118.	**Fundamentals Skills and Exercise**	Two-Three hours
119.	**Gymnastics**	Two-Three hours
128.	**Tumbling**	One hour
129.	**Gymnastics**	One hour

132.	**Swimming (Beginning)**	One hour
134.	**Volleyball**	One hour
135.	**Fundamental Skills**	One hour
136.	**Bowling**	One hour
143.	**Individual Sports**	One hour
146.	**Social Dancing**	One hour
148.	**Modern Dance**	One hour
202.	**Community Health**	Three hours
203.	**Safety**	Three hours
227.	**LaCrosse**	One hour
232.	**Swimming (Intermediate)**	One hour
236.	**Tennis**	One hour
240.	**Team Sports**	Two-Three hours
241.	**Individual and Dual Sports**	Two-Three hours
247.	**Folk and Square Dance**	Two hours
252.	**Philosophy and Principles**	Three hours
281.	**History and Principles of Recreation**	Three hours
282.	**Community and Industrial Recreation**	Three hours
304.	**Anatomy and Physiology**	Three hours
305.	**Kinesiology**	Three hours
310.	**School Health Problems**	Three hours
321.	**Basketball**	Two-Three hours
322.	**Football**	Two-Three hours
323.	**Baseball**	Two-Three hours
324.	**Wrestling**	Two-Three hours
325.	**Track**	Two-Three hours
326.	**Coaching and Officiating Volleyball, Hockey and Soccer**	Three hours
327.	**Coaching and Officiating Basketball, Track, Softball and LaCrosse**	Three hours
328.	**Games and Rhythms for the Elementary School**	Two hours
329.	**Physical Education Program in the Elementary School**	Two hours
351.	**History of Physical Education**	Three hours
360.	**Evaluating and Assisting**	Three hours
362.	**Organization and Administration of Physical Education**	Three hours
384.	**Camping and Youth Organization**	Three hours
385.	**Recreational Leadership**	Three hours

386. **Recreation Field Work and Inspection** Three hours

407. **Physiology of Exercise** Three hours

408. **Adapted Physical Education** Two hours

431. **Special Methods in the Teaching of Physical Education** Two hours

487. **Organization and Administration of Recreation** Three hours

DEPARTMENT OF SCIENCE

BIOLOGY

101. **Introduction to Biology** Three hours

This course and the one following constitute a year's study of the biological principles governing living things with particular emphasis on their human implications. The approach of this course was designed especially for teachers in elementary and secnodary schools by a state committee of college teachers of biology. Staff

102. **Introduction to Biology** Three hours

Continuation of 101. Staff

201. **General Botany** Four hours

Two lectures and two-hour laboratories each week. The first part of the semester is given to the study of the structures and functioning of the seed plant. The second part includes a survey of both lower and higher forms of plants with emphasis on reproductive structures. Basic to all other botany courses. Mr. Creasy

220. **Invertebrate Zoology** Four hours

Facts and principles fundamental to an understanding of the invertebrate animals. This course is designed for majors in zoology or biology and premedical students. Mr. Davisson

221. **Vertebrate Zoology** Four hours

A continuation of 220. Mr. Davisson

224. **Microbiology** Three hours

Two lectures and one two-hour laboratory each week. The techniques of isolating and identifying bacteria are considered. Attention is given to the several types of disease-producing microorganisms and methods of control. This is a general course designed to give the student an understanding of the importance of microorganisms in the life of man. Mr. Creasy

242. **Bio-Ecology** Two hours

This course constitutes a study of the relationship of organisms to their environment. The edaphic, climatic, and biotic factors are given consideration. Human ecology and conservation are presented where pertinent. Mr. Creasy

284. **Bio-Photography** Two hours

A course designed to familiarize students with the fundamentals of photography and its many applications in the field of biology. Some attention is given to photomicrography. Open to students that have an interest in both photography and biology.

315. **Field Zoology** Three hours

Primarily for those who teach or intend to teach biology. This course aims to familiarize students with the animal life of the State in its natural surroundings and includes the collection, identification, and study of habits of the various forms found in this region. PR: Biol. 101-102, or equivalent. Mr. Davisson

322. **Ornithology** Two hours

Field and laboratory studies on the structure, identification, migration, protection, nesting, and food habits of birds. Mr. Davisson

330. **Field Botany** Three hours

One lecture and two two-hour laboratories each week. Designed primarily for those students that plan to teach. The various groups of plants are considered in the field and laboratory with emphasis on the seed plants. Some attention is given to ecology. Mr. Creasy

340. **The Plant Kingdom** Three hours

Two lectures and one two-hour laboratory each week. This course deals with the structural characteristics of the great plant groups through the Bryophytes. Their organization, development, and reproductive structures are considered in detail. Teaching materials are compiled, techniques developed, and there are field trips on occasion. PR: Biol. 201. Mr. Creasy

341. **The Plant Kingdom** Three hours

Two lectures and one two-hour laboratory each week. Continuation of The Plant Kingdom, 340, but may be taken as an independent unit. This course covers the vascular plants including the ferns, gymnosperms, and angiosperms. PR: Biol. 201. Mr. Creasy

350. **Comparative Anatomy of Vertebrates** Four hours

PR: Biol. 101, 102 or equivalent.

371. **Plant Anatomy** Three hours

Two lectures and one two-hour laboratory each week. Attention is given to the fundamental tissue organization of the higher plants. Development and differentiation of cell types and structures are considered as they relate to the functioning of the organism as a whole. PR: Botany 201. Mr. Creasy

380. **Introduction to Genetics** Three hours

Elementary studies of the principles of heredity. PR: Biol. 101, 102 or equivalent. Mr. Hunt

390. The Biology of Endocrines Three hours

A study of the structure and function of the endocrine glands of animals and man, their products and interactions. A survey of natural and synthetic plant horomones is also included. Mrs. Quintrell

410. Histological Technique One-Four hours

The preparation and miscroscopic study of animal tissue. PR: Biol. 221 or 350. Mrs. Quintrell

411. Histology Two hours

An introduction to the cells, tissues, and organs of mammals. PR: Biol. 221 or 350.

415. Problems in Biological Sciences One-Four hours

This course is designed for students who have interest in a specific problem in biology. It should not be used as a means of meeting requirements but rather as a research course that goes beyond the usual courses in developing the student. Staff

420. Vertebrate Embryology Four hours

Introductory study of the developments of the vertebrates, dealing chiefly with the frog, chick, and mammal. PR: Biol. 101, 102 or equivalent. Mrs. Quintrell

425. Neurobiology Two hours

An introduction to the structures and functions of the mammalina nervous system. PR: Biol. 350 or 450.

450. Human Physiology Four hours

An introductory course dealing with the functions of man. Mrs. Quintrell

451. Plant Physiology Three hours

Two lectures and one two-hour laboratory each week. All of the physiological processes of plants are considered; ascent of sap, transpiration, food synthesis, respiration, translocation, and growth and development. PR: Biology 201. Mr. Creasy

460. Biological Colloquim One hour

Open only to majors in the biological sciences. Staff

480. Principles of Evolution Two hours

An introduction to the study of evolution. PR: Biol. 101, 102, or equivalent. Mr. Davisson

CHEMISTRY

101. General Chemistry Four hours

The beginning course in college chemistry; has no prerequisites. Offered only in the fall semester and first term of the summer session. Staff

102. **General Chemistry** Four hours

The second half of the first year of beginning college chemistry. Offered only in the spring semester and the second term of the summer session. PR: Chem. 101. Staff

201. **Qualitative Analysis** Four hours

Required of all students who major in chemistry. PR: Chem. 102.

202. **Quantitative Analysis** Four hours

This course will combine manual methods of volumetric and gravimetric analysis. One hour lecture and eight hours laboratory per week. Mrs. Swiger

301. **Organic Chemistry** Four hours

A study of the aliphatic hydrocarbons and their derivations. Required for chemistry majors, predental and premedical students. Recommended for students preparing to teach high school science. Staff

302. **Organic Chemistry** Four hours

A study of the aromatic hydrocarbons and their derivations. PR: Chem. 301.

305. **Structural Inorganic Chemistry** Four hours

This course is a study of inorganic chemistry based on modern atomic and molecular theory and the periodic relationship of the elements. It will consist of three lectures per week with one three-hour laboratory. Required of chemistry majors and recommended for students obtaining a teaching field in chemistry. PR or CR: Chem. 202, 301. Mrs. Swiger

350. **Instrumental Analysis** Four hours

This course will include theoretical and practical experience in modern instrumental methods. Two hours lecture and six hours lab per week. PR: Chemistry 202, 301. Mrs. Swiger

401. **Special Problems** Two hours

PR: Consent of instructor.

402. **Special Problems** Two hours

PR: Consent of instructor.

405. **Physical Chemistry** Four hours

PR: Chemistry 240-241; Math 321; Physics 102.

406. **Physical Chemistry** Four hours

PR: Chemistry 405; Math 331.

PHYSICS

101. Introduction to Physics Four hours

A course designed for predental, premedical, and teaching curricula. A two-hour laboratory period each week supplements the three lecture-recitation periods. Elementary principles of mechanics, sound, and heat are studied in this course.

102. Introduction to Physics Four hours

A continuation of 101; includes a study of magnetism, electricity, light and atomic structure.

201. Demonstrations in Physics Two-Three hours

Effective use of everyday materials to illustrate physical phenomena, experience with a variety of lecture equipment, and practice in planning and executing demonstrations describe the nature of this course. It is designed to serve teachers in both the elementary and secondary schools. PR: Consent of the instructor is sufficient, but a course in one of the physical sciences is highly recommended.

202. Astronomy Three hours

A study of motion and physical features of planets, comets, and satellites; the solar system; the earth and its satellites; stars and stellar atmosphere; and space travel.

261. Modern Physics for Teachers Three hours

A review of current developments in modern physics. The emphasis is on content and import, rather than a rigorous mathematical approach.

262. Modern Physics for Teachers Three hours

A continuation of Physics 261.

310. Electricity and Electronics Four hours

This course includes static electricity, direct and alternating current theory and means of transforming electrical power. The theory of the vacuum tube and electronics is introduced. Four hours laboratory and two hours lecture each week is required.

320. Mechanics (Alternates annually with 420) Three hours

A course in mechanics applied to the study of particles and objects in space with the general principles of astronomy and the information of rotating system in the universe. General theories of the universe and experimental facts will be presented in an elementary manner. PR: Math 215.

321. Mechanics (Alternates annually with 421) Three hours

A continuation of 320.

340. Special Problems Two-Three hours

Individual studies by advanced students of problems of special interest in the field of physics. PR: Physics 101, 102, Math 215.

420. **Introduction to Atomic Physics (Alternates annually with 320)**

Three hours

This course deals with the study of charged particles, ionization, and conduction of electricity through gases, electromagnetic radiation, and the theory of atomic structure.

421. **Introduction to Atomic Physics (Alternates annually with 321)**

A continuation of 420. Three hours

PHYSICAL SCIENCE

The two courses in General Physical Science are organized to provide students a survey of the field of the physical sciences. These courses should not be scheduled by students who plan to include physics and/or chemistry in their programs.

201. **General Physical Science** Three hours

A survey of the subjects of mechanics, heat, sound, light and electricity. No credit is allowed if credit in physics is earned.

202. **General Physical Science** Three hours

A survey of the elements of chemistry, geology, and astronomy.

412. **Science in the Elementary School** Three hours

This course is designed as "a study of modern practices and techniques in the teaching of science. Students are to be guided in developing instructional units in such areas as the earth and its atmosphere, conservation, living things (plants and animals), energy changes (machines, light, sound, electricity, and magnetism) and outer space." PR: Biol. 101, 102 and 6-8 hours in the physical sciences.

HOME ECONOMICS

101. **Principles of Clothing Construction Two hours

Basic construction processes used in simple garments for school and street wear. Problems are adapted to previous experience.

Miss Hall

102. **Advanced Clothing Construction Three hours

The use of detailed and tailored finishes and problems of fitting and management in the construction of suits and varied types of clothing. Miss Hall

103. **Principles of Clothing Selection Two hours

An analysis of the factors which influence the selection of clothing for both the family and the individual. Miss Hall

110. **Elementary Nutrition** Two hours

A study of the principles of nutrition and their application to the needs of nursing students. Mrs. Hess

*201. **Principles of Food Selection and Preparation** Three hours

Application of recent theories of food preparation and preservation as they affect the nutritive value, flavor, and appearance of food. Foods prepared are incorporated into family meals. Mrs. Hess

*202. **Advanced Foods** Three hours

Continuation of Home Economics 201; meal services with emphasis on planning, preparing and serving family meals, that will teach management of time, energy, and money. Mrs. Hess

*210. **Textiles** Three hours

Development of an understanding of the effect of fiber content, construction, and finish on the quality, serviceability, care, and cost of clothing and household fabrics. Miss Hall

303. **Nutrition** Three hours

A study of the essentials of an adequate diet and its function in the body, as a basis for planning student and family diets. PR: 201 or 202. Open to all non-majors by consent of instructor. Mrs. Hess

*305. **Nutrition in the Public Schools** Three hours

Essential nutrition information for the teacher in the public school federal school lunch programs as an integral part of the school program. Mrs. Hess

Mrs. Hess

*310. **Family Life Education** Three hours

Study of family experiences and cultural environment influencing personality development. Interaction of family members through all phases of family living. Evolution of the family from institution to companionship family. Mrs. Hess

*312. **Consumer Education** Three hours

A study of the selection of consumable goods and the factors affecting the selection such as labeling, advertising, credit, insurance, and contracts; source material provides consumer information; the consumer movement and legislation for consumers. Mrs. Hess

*315. **Home Management** Three hours

A study of the process of management as it affects the family members, their resources and their goals. Miss Hall

*316. **Household Equipment** Two hours

A study of the principles of the selection, use and care of household equipment. Mrs. Hess

*320. **Home Planning and Furnishing** Three hours

Designed to help the family analyze its needs and use its resources advantageously in the selection of housing. Development of discrimination in the selection and arrangement of furnishings. Miss Hall

*320L. **Laboratory for 320** One hour

Gives experience in construction and renovation of furnishings for the home. Miss Hall

*330. **Child Care and Development** Three hours

The training of the child from pre-natal period through the pre-school period. Habit training and development of the child—physical, social, emotional, and spiritual training—are included. Mrs. Hess

340. **Quantity Cookery** Three hours

Application and principles of selection and cookery to large quantity preparation. Menu making, food standards, food cost, and food service are stressed. Operations and use of equipment. Laboratory in college food service. PR: Home Ec. 303. Mrs. Hess

351. **Home Arts Three hours

The use of color, texture, design in selecting, arranging and constructing articles for the home through the techniques of weaving, stitchery, textile printing, etc. Miss Hall

402. **Tailoring** Three hours

The construction of a dress, suit, and accessories with emphasis on selection of fabric, fitting, and tailored details. Designed for evening students. Consult instructor for prerequisites. Miss Hall

431. **Home Economics Techniques** Two hours

Required for teachers. The philosophy and goals of home economics, organization of teaching materials for the five areas, selection of furnishings, and management of the department. Miss Hall

* Courses open to all students.

** Courses open to all women.

DEPARTMENT OF SPEECH AND DRAMATICS

101. **Fundamentals of Speech** Three hours

This course includes the elementary phases of oral language training. Reading aloud, short speeches, enunciation, pronunciation, parliamentary procedures. Required of all A.B. and B.S. students. Staff

105. **Voice and Diction** Three hours

Theory and practice of speech science to provide basic information prerequisite to further speech study and to improve the skills of the speaking voice. Required of speech majors, minors, and music students. Miss Lough

107. **Speech Improvement** Two hours

Designed for students who wish to improve the quality of their speaking voices. Training in pronunciation, enunciation, and voice production in order to develop standard speech. Therapy for major speech defects is not administered. May not be substituted for Speech 105. Staff

120. **Theatre Appreciation** Two hours

Study of drama as it occurs on stage, in movies, and in radio and television in order to form a critical appreciation of its purposes and effects. Mr. Hanks

151. **Play Production** Two hours

Play production methods for the educational theatre. Theory and practical experience in the mounting of plays for public performance. Required of all speech majors. Mr. Hanks

152. **Theatre Workshop I, IV** Variable Credit

Directed, practical experience in production of plays for public performance. Scenery design and construction, lighting, properties, costuming, etc. PR: Speech 151 or permission of instructor. Mr. Hanks

210. **Advanced Spoken English** Three hours

Development of ability to communicate in clear, effective, correct English; with emphasis on preparation and delivery of representative types of speech. Special attention given to speech problems of teachers and their students. PR: English 102-104. Required of all A.B. in Education students. Staff

221. **Oral Interpretation** Two hours

A study of principles involved in the effective transmission of thoughts from the printed page to an audience. Required of all speech majors. Mr. Hanks

222. **Advanced Oral Interpretation** Two hours

A study of special problems of interpretation in the areas of dramatic literature, prose, and poetry. Mr. Hanks

237. **Effective Speaking** Two hours

Designed to give advanced speech students training in preparation and presentation of persuasive speeches. Required of all speech majors. Staff

243. **Debate** Two hours

Theory and practice of argumentation and debate. Required of all speech majors. Miss Thralls

244. **Intercollegiate Debate** Variable credit

Training for and participation in individual debates with teams from other colleges and universities and tournament debating throughout the Eastern United States. Miss Thralls

245. **Oratory** Variable credit

Study of origin, historical influences, and changing aims of oratory. Practice in development of memorized speeches for competition. Required of all speech majors. Miss Thralls

251. **Acting** Two hours

Theories and methods of acting for the stage. Practical acting experience in student and faculty directed scenes and one-acts. Required of A.B. in Education Speech majors. Mr. Hanks

252. **Acting Worshop** Variable credit

Practical experience acting in school productions. Mr. Hanks

301. **Make-up** On hour

Fundamentals of theory and technique of applying theatrical make-up, including laboratory and practical experience. Staff

301L. **Advanced Make-up** One hour

Application of theatrical make-up for public performances. Mr. Turley

321. **Summer Theatre: Rehearsal and Performance** One-Three hours

Systematic rehearsal and public performance with the Masquers Town and Gown Summer Theatre. Designed for students who desire stage training and experience. Staff

322. **Summer Theatre: Production and Management** One-Three hours

Experience in every phase of theatrical production and some phases of theatre management. Experience includes set designing and constructing, lighting, costuming, make-up, box office, house managing, and publicity. Staff

330. **Fundamentals of Radio and Television** Two hours

A familiarization course in modern studio practice, use of broadcasting and recording equipment, and preparation of programs, with some work in radio and television speech and announcing. Required of all speech majors. Mr. Turley

331. **Children's Drama** Two hours

The theory and observation of the arts of creative drama for children and children's theatre. Miss Lough

331L. **Children's Drama Laboratory** One hour

Practical experience in the arts of creative drama for children and children's theatre. PR: Speech 331 or permission of instructor.
Miss Lough

334. **Radio and Television Production** Two hours

Production of and participation in actual broadcasts. A study of the techniques used in programming, directing, continuity writing, and music and sound effects. PR: 2 hours of speech or permission of instructor. Mr. Turley

334L. **Radio and Television Production** One hour

Continuation of Speech 334 with extensive studio practice.
Mr. Turley

336. **Play Directing** Two hours

Principles and techniques of play directing. Special attention given to directing problems in educational theatre: play selection, budgeting, casting, mounting and staging, public relations, and coordination of crafts. Required of all speech majors. PR: Speech 151 or permission of instructor. Staff

336L. **Play Directing Laboratory** One hour

Direction and public presentation of a one-act play. Required of all speech majors. PR: Speech 336. Staff

345. **Speech Problems of Children** Three hours

Designed for classroom teachers and parents. Study of normal development of children's speech and preventive, diagnostic, and remedial techniques for speech defects. Special attention is given to phonetics and eartraining. May not be substituted for Speech 430. Staff

401. **Extemporaneous Speaking** Variable credit

Study of origin, aim and development of extemporaneous speeches. Preparation for competition. PR: Speech 101 or permission of instructor.
Miss Thralls

430. **Speech Correction** Three hours

An introduction to the field of speech therapy. Emphasis placed on identification of all speech defects, their diagnoses, and preventive and remedial techniques. Required of all speech majors. Miss Lough

440. **Speech and Dramatics Seminar** One hour

Directed study in any of the five fields of speech: public address, speech correction, interpretation, theatre, or radio-television. Designed for Junior and Senior speech majors and minors. PR: Permission of instructor. Staff

SERVICE COURSES

GEOGRAPHY

210. **World Regional Geography** Three hours

An introductory course in geography with major attention to the principles and concepts of the subject and a detailed study of the geographical regions of the world. Staff

305. **World Political Geography** Three hours

An introduction to the field and methods of political geography and the application of these methods in an analysis of the power relationships of modern states. Staff

GEOLOGY

201. **Physical Geology** Three hours

This course is given to a description of the composition and structure of the earth and the physical processes bringing about changes of the surface of the earth.

302. **Historical Geology** Three hours

The geologic history of the earth and the evolution of animal and plant life as revealed by the rocks.

JOURNALISM

240. **Reporting** Three hours

Fundamentals of reporting; gathering, evaluating, and writing news; emphasis on general reporting and writing for specialized fields. Valuable as a vocational try-out and for making the student a better newspaper consumer. Teachers who will be sponsoring student publications should have this basic course or equivalent. Open to second semester freshmen and above.

270. **Communications in Society** Two hours

A course which reflects the current and important interests in public opinion and propaganda; the influence of old and new forms of communication on the social order; why and how people react to advertising, news publicity, propaganda, and public relations efforts.

271. **The Newspaper and Society** Three hours

An arranged course providing practical experience on the college organ of a political party to the social instrument of today; present practices and principles of the press; the evolving code of ethics and influence of the newspaper; its competition with radio, television and facsimile.

312. Publication Problems Three hours

A practical course for teachers who may supervise a school newspaper, yearbook, or handbook; for those who may work on a company newspaper or house organ or in an advertising department; helpful to anyone charged with producing a publication. Problems of staff organization, training, finance, format, type, headlines, etc. will be covered.

340. Journalism Practice Two hours

An arranged course providing practical experience on the college newspaper, yearbook, local daily newspaper, radio station, plus guided reading in the student's field of major interest; for example, writing for radio, newscasting, magazine article writing, newspaper business management, circulation promotion, public relations, advertising. PR: Journalism 240 or consent of instructor.

341. Journalism Practice Two hours

Continuation of Journalism 340.

LIBRARY SCIENCE

300. Reference and Bibliography Three hours

A study of basic reference books, especially those useful in school libraries. Problems in evaluating and using reference books and bibliography making. Mr. Masters

302. Cataloging and Classification Three hours

An introduction to principles of cataloging and classifying many types of books used in school libraries. Staff

304. Organization and Administration Three hours

A study of organization and administration of the school library and its place in carrying out the objectives of the school program. PR: 300 and 302. Staff

306. Library Practice Three hours

Individual work based on students previous experience and related to student teaching when possible. PR: 300, 302, 304. Staff

PHILOSOPHY

200. Introduction to Philosophy Three hours

A survey of the principal problems arising out of man's attempts to organize his experience and direct his existence.

300. Logic Three hours

An analysis and exposition of the requirements for justifiable deductive and inductive reasoning. The principles of rational argumentation and inference in scientific methods are emphasized.

325. Ethics Three hours

An historical study of the basis of judging human actions right and wrong, good and bad. The main classical positions are evaluated and the impact of contemporary knowledge upon the central problems of ethics will be discussed.

350. Comparative Religion Three hours

Description and analysis of the philosophical systems underlying the major non-Christian religions. Attention will be focused upon the historical and psychological development of religious beliefs.

CAMPUS ACTIVITIES

STUDENT GOVERNMENT ORGANIZATIONS

The Student Government Organization is composed of all students regularly enrolled in Fairmont State College. All of its officers are students and all business is conducted by them. Through this organization student programs and many other activities are undertaken. A student activity fee is collected from all students. This fee covers the cost of student activities and entitles the student to attend all athletic contests, major dramatic productions, and other special programs.

STUDENT COUNCIL

The Student Council is the executive board of the student government organization. It consists of five student body officers, all class presidents and vice presidents, one member elected by the interfraternity-panhellenic council. one member elected by the honorary and professional organizations, one member elected by the non-fraternity group, and one faculty representative appointed by the president of Fairmont State College.

One of the principal assignments of the Student Council is to meet at the beginning of each semester to determine the allocation of the student activity funds among the various campus activities and organizations. The budgets prepared are then published so that all students may know for what purposes their fees are being used.

STUDENT AND FACULTY SOCIAL CABINET

The Student-Faculty Social Cabinet is composed of representatives of students and faculty under the chairmanship of the vice president of the Student Council. The campus social program for the school year is arranged through this cabinet.

INTERFRATERNITY-PANHELLENIC COUNCIL

The Interfraternity-Panhellenic Council is an organization of all Greek letter social organizations. It governs the joint activities of the social fraternities and sororities.

CLASS ORGANIZATIONS

Each academic class has assigned activities and operate through their officers and the student government.

CLUBS AND HONOR SOCIETIES

Fairmont State College students have organized a number of clubs and honorary organizations for the promotion of interest in various subject matter fields, for the recognition of outstanding achievement in various campus activities, and for general social purposes. A list of the currently active organizations of this character follows:

Clubs

Academy of Science
Future Teachers of America
Fu-Se-Fa (Secretarial)
Home Economics Club
Independents
Industrial Arts Club
Inter-Varsity Christian Fellowship
Lettermen's Club
Masquers (drama)
Music Educators National Conference
Newman Club
Pi Kappa Phi (Language)
Roger Williams Fellowship
Student National State Education Association
United Campus Christian Fellowship
Wesley Foundation
Women's Recreation Association
Young Democrats
Young Republicans

Honorary and Recognition Societies

Alpha Alpha Alpha—Business
Alpha Phi Gamma—Journalism
Alpha Psi Omega—Dramatics
Beta Beta Beta—Biology
Blazers—Senior Women's Honorary
Die Wissenschaften—Scholarship
Epsilon Pi Tau—Industrial Arts Honorary
Kappa Delta Pi—Education
Kappa Gamma—Forensics
Alpha Lambda Sigma—Athletics
Lambda Delta Lambda—Physical Science
Pi Gamma Mu—Social Science
Pi Alpha Phi—Language
Pyramid Society—Men's Honorary
Sigma Tau Delta—English Honorary

SOCIAL ORGANIZATIONS

Fairmont State College students have organized and maintained a number of social fraternities and sororities. These organizations provide a medium for social activities and social training. They are regulated by the Men's and Women's Panhellenic Associations, which strive toward high standards of scholarship and leadership among the group and toward developing a good college spirit. These organizations are listed below:

Fraternities

Theta Xi (National)
Sigma Pi (National)
Sigma Tau Gamma (National)
Tau Beta Iota
Tau Kappa Epsilon (National)

Sororities

Alpha Xi Delta (National)
Delta Zeta (National)
Gamma Chi Chi
Sigma Kappa (National)
Sigma Sigma Sigma (National)

RELIGIOUS INTERESTS

Fairmont State College maintains a close relationship with the religious organizations of the city. During Freshman Orientation ministers of local churches of all faiths are presented. Announcements of services and special programs are posted on a bulletin board in the administration building.

Organized groups on campus are The Baptist Student Movement, The Newman Club for Roman Catholics, The Inter-varsity Christian Fellowship, a non-denominational group, and The Wesley Foundation sponsored by the Methodist Church.

Services of ministers in any capacity are available to the campus at all times.

PUBLICATIONS

The Columns is the student newspaper published semi-monthly throughout the regular college year with the exception of examination and vacation periods. The Publications Board, representing students and faculty, approves the selection of staff members from a list presented to the Board by the faculty adviser. Consideration is given to those students who have done acceptable work in Journalism or who have had practical experience on publications. **The Columns** is named for the eight stately columns at the front of the Administration Building. It is financed by student fees and advertising.

The Mound is published annually by the students. The administrative officers of the staff are approved by the Publication Board from a list presented to the Board by the faculty adviser. All phases of college life are depicted in the annual, largely by pictures. It was named from an historic spot on a former campus. It is financed by student fees and advertising.

The Student Handbook is compiled annually under the direction of the Student Council. It contains valuable information about Fairmont State College and its varied student activities. It is of real service to new students.

View books and other promotion magazines are published at intervals by the college.

Bulletins, both daily and weekly, are posted on the bulletin boards prominently located in each building. These bulletins carry announcements of all student and faculty activities. Material for these should be left in Room 233A by noon Thursday. Bulletins are posted Friday morning for the following week. Students and faculty members should consult the Bulletin Boards daily for important announcements.

MUSIC ORGANIZATIONS

The Fairmont State College Band is a uniformed band of approximately 50 members. This organization is open to both men and women. Tryouts are held at various times throughout the year.

The musical organizations of Fairmont State College—the Chorus and the Collegiates—provide many opportunities for students interested in group singing. These groups present programs at the College assemblies, in neighboring communities, and on the radio. They also give annual public concerts. The Chorus is open to all students, but the Glee Clubs are composed of selected members of the College Chorus.

Students may participate in college ensemble programs by successful try-out.

ORATORY

A stimulating and vital program in public speaking and oratory is encouraged both on a curricular and extra-curricular basis at Fairmont State College. Students make frequent appearances before churches and clubs, and speak on radio programs. An annual competition is held for the M. M. Neely Prize. (See contests.)

INTERCOLLEGIATE DEBATING—THE DEBATE CLUB

Fairmont State College provides a very active program in debating. The Debate Club gives interested students training and experience in the art of debating and several teams are organized each year to meet the teams of other colleges and universities of the United States and Canada. Fairmont teams annually participate in at least five major debate tournaments, several contract debates at home and away, and attend the West Virginia Intercollegiate Speech Festival at Jackson's Mill. Participation in debate is open to all students.

DRAMA

Fairmont's drama department has received national recognition; for here was organized in 1925 the national honorary drama fraternity Alpha Psi Omega. Also Delta Psi Omega, junior college drama honorary, and the Thespians, high school drama society, had their inception at Fairmont State College.

Each year the Masquers, the student drama organization, offers a full season of theatrical productions of varied style and period to student-community audiences. Also several student and faculty directed one-acts are presented throughout the season and are open to the public. Acting and production work for these plays are open to the student body and memberships in Masquers and Alpha Psi Omega are earned through participation in these theatre activities.

SUMMER THEATRE

During the summer term the Masquers Town and Gown Summer Theatre presents four major productions. Students enrolled in Summer Theatre (Speech 321-322) work with interested and experienced members of the community in order to bring a program of light summer theatre fare to Northern West Virginia theatre-goers.

In addition the drama department offers Saturday classes in theatre to children of the community between the ages of 5 and 15. These classes result in performances of scenes and one-acts by the children for the public.

ASSEMBLIES AND SPECIAL FEATURE PROGRAMS

A limited number of general assemblies are held each semester. The schedule is flexible insofar as the hour is needed for the meetings. The purpose of the assemblies is to provide programs of an educational or entertainment nature and to celebrate special occasions. The general chairman is a faculty member who acts as expediter of the year's program schedule. These programs, which are free to all students and faculty members, are financed by allotments from the student activity fund.

CONTESTS

The Frank C. Haymond Constitutional Prize Contest.

In order to encourage a greater interest in and appreciation of the U. S. Constitution, Judge Frank C. Haymond, '06, has established an annual prize of $25. This prize is awarded to any regularly enrolled student who submits the best paper relative to the general theme of "The Constitution." Papers are required to be from two thousand to thirty-five hundred words in length and are due on or before April 15 in each school year. Interested students should apply to the chairman of the Department of History and Political Science.

The M. M. Neely Oration Contest.

For many years the late Senator M. M. Neely offered an award of $100 dollars for excellence in oratory. It is hoped that this contest, open to all regularly enrolled students of the College, may be continued. A faculty committee is in charge of this contest. Interested students should apply to the chairman of the Speech and Dramatics Department.

COLLEGE RADIO PROGRAM

"Campus Highlights," a weekly radio program, is produced by the radio department of Fairmont State College. It has been a regular feature of Station WMMN since 1929. These programs are, for the most part, student productions. Any student at Fairmont State College may audition for radio work. A modern studio is located on the ground floor of the Administration Building.

"Campus Highlights" is also a regular feature of other radio stations of the area.

In addition to the radio programs the college presents a number of television shows each year through the facilities of stations WBOY, Clarksburg, and WJPB, Weston.

INTRAMURAL SPORTS

A regular program of intramural sports is sponsored for the benefit of all students. Teams, contests, and various activities are organized for competitive play among the various groups and organizations. The pool is open for intramural and recreational swimming at certain times. Such facilities as the conditioning room are open for individual and group participation. This is under the supervision of staff members who direct the overall program. Individual participation with selected equipment is in the offering for those interested and concerned with their own development, and not with team participation.

The intramural program includes the following activities: speedball, touch football, tennis, volleyball, basketball, relays, softball, horseshoes, outdoor track, badminton, swimming, archery and foul throwing.

The college realizes that its curricula must be designed to meet the educational needs of the integrated personality of the individual student; this type of intramurals affords such an opportunity.

As the demand for more activities developes the facilities will be increased and the program broadened.

INTERCOLLEGIATE SPORTS

Fairmont State College sponsors an intercollegiate athletic program in football, basketball, baseball, cross country, golf, tennis, soccer, swimming, track, and wrestling. There are unusually fine indoor and outdoor facilities and equipment for physical education and recreation. Every young man in college is free to participate in any one or more of the intercollegiate sports and in all recreational activities. Men making up the different teams are not a pre-selected group.

ATHLETIC POLICY

The program of intercollegiate sports at Fairmont State College is supervised by a director of athletics who also serves as chairman of the Physical Education Department. He is assisted in the planning of the program by an athletic committee of the general faculty, and he is assisted in the coaching by three full-time members of the physical education and recreation departments and by part-time coaches of tennis, golf, soccer and swimming, drawn from other qualified members of the staff.

The general objectives of the intercollegiate sports program at Fairmont State College are to teach young men the values of sportsmanship, good physical conditioning, and the disciplinary and social values of organized team play. Specific values include the training afforded prospective coaches and physical education instructors through participation, and the possible acquisition, to some extent, of experiences and skills which may furnish recreational outlets following graduation.

In pursuance of the policies recommended by the North Central Association, the following minimum standards governing intercollegiate athletics are maintained:

1. The ultimate responsibility for the conduct of the athletic program rests with the President.
2. The members of the coaching staff are regular members of the faculty and have the same professional status, qualifications, salaries, and tenure as other faculty members.
3. Students participating in athletics are admitted by the Director of Admissions on the same basis as other students. Athletes are required to maintain the same academic standards as non-athletes.
4. The award of scholarships, student loans, and student employment to an athlete is made through the same agency of the College and on the same basis, as grants of aid to all other students. All employed students are required to give full and honest work for pay received.
5. All athletic funds are handled by the Business Manager of the College. An audit of the receipts and disbursements of these funds is made annually by the auditors of the West Virginia Tax Commissioner for the benefit of the West Virginia Board of Education and other interested parties.
6. The College does not bring prospective athletes to the campus for tryouts, nor does it pay the expenses involved in college visitations by such persons.
7. An effort is made to compete only with colleges having similar educational and athletic policies.
8. Fairmont State College is a member of the West Virginia Intercollegiate Athletic Conference, and athletic participation is regulated and controlled by the eligibility rules of the Conference. Copies of these rules are on file in the Office of the Director of Athletics.

AWARDS

At Recognition Day exercises, held near the close of each college year, awards are granted to students for outstanding achievements in various campus activities. Among these awards are the following:

For outstanding achievements in scholarship, leadership, service, and character, gold keys are presented to the Four Outstanding Seniors, selected by a faculty-student committee; certificates to the seniors elected to Who's Who Among Students in American Colleges and Universities; American Legion Medals to a senior man and senior woman; MENC plaque presented to outstanding senior music major.

Letters are given to the five band members who have achieved a 3.0 average for at least five semesters; a key by Pi Gamma Mu to the senior among the social science majors who has the highest academic average; medals and other prizes to outstanding students in business administration, science, secretarial practices; cash awards by the Fairmont Woman's Club to the best freshman writer, to the most worthy senior girl by the American Association of University Women's Club through their Edna Earl Lowe Memorial fund, the Louise Leonard Memorial award for best achievement in elementary education.

The speech department presents cash awards to the winners of the M. M. Neely oratory contest and the Judge Frank C. Haymond Constitution essay contest.

At the same time special recognition is given to those freshmen who achieved a quality point average of 3.5, or better, during the first semester of their beginning year. The Blazers, senior women's honor society announces at this time the names of the women of the junior class elected to the organization; and the Pyramid Society, men's honor society, names its new members and recognizes the outstanding freshman man of the year.

Athletic awards are usually made during special sessions at athletic contests or at the annual athletic banquet.

ALUMNI

The Alumni Association of Fairmont State College is the official organization of all graduates and former students of the "old" Fairmont State Normal School, Fairmont State Teachers College, and Fairmont State College.

The history of the Alumni Association goes back almost to the founding of the institution. A meeting was held on Commencement Day, June 27, 1873, at which time the twenty-nine graduates formed the Association.

Events of special interest to Alumni members include the Annual Homecoming celebration held in the fall semester. An Alumni Luncheon and a reception for the graduates, the alumni, and friends of the college are events of Commencement Week. A Fairmont State College open house is held in connection with the annual meeting of the West Virginia Education Association.

Information concerning the Alumni Association may be had by writing to the Alumni Secretary, Fairmont State College, Fairmont, West Virginia.

SPECIAL SERVICES

THE SUMMER SESSION

Fairmont State College offers a ten-week summer session each summer. This session is made up of two terms of five weeks each.

The requirements for admission and the character of the work offered are the same for the summer session as for the regular year. Credit may be earned in all departments toward the bachelor's degree. Courses are varied from summer to summer so that students may find suitable work with which they can build up their earned credit toward a degree or certification. For information relative to summer session fees see page 29.

All activities and facilities of the campus are available to students during the summer session. The student body is organized under its own leadership at the beginning of each session. Under their leaders, and certain members of the faculty, a general program of social, recreational, and dramatic events is scheduled.

Fairmont State College always sponsors a number of special features in connection with each summer session. Announcements of such features will be made from time to time by means of press releases, radio announcements and special information sheets.

Special bulletins for the summer session are prepared for distribution. Those interested in working toward a degree, or in renewal of certificates, or in pre-professional courses, or in refresher courses, write for the Summer Bulletin. Address, Registrar, Fairmont State College, Fairmont, W. Va.

EVENING CLASSES

Evening classes are operated for the benefit of teachers and other persons whose employment makes attendance in regular day classes impossible. Classes are ordinarily held on Wednesday evening during the hours from 6 P.M. to 10:00 P.M. These classes are considered as work done in residence.

In accordance with regulation of the State Board of Education, teachers under contract are limited to a total of nine semester hours of credit during the period of employment each year with a maximum of five credit hours per semester.

EXTENSION CLASSES

Upon request, and when it is possible to provide suitable staff, Fairmont State College will offer off-campus courses to interested groups in the general area of the state it serves. Ordinarily, an enrollment of ten or more persons is necessary before any extension courses may be offered. The enrollment fee is $7.50 per semester hour.

Extension courses may be taken either for credit or without credit, excepting those courses listed definitely as non-credit courses. Students enrolling in extension courses for credit must satisfy all the requirements for admission to Fairmont State College. The work given for credit in extension courses corresponds, as to class requirements, with that given in similar courses on the campus. The credit, however, is recorded as extension credit, and not more than 28 hours of such credit may be included in any student's 128 hour requirement for graduation.

Individual or groups desiring information about extension courses should contact the Dean of the College.

FACULTY MEMBERS

Ayers, Phyllis L., (1956), Associate *Professor of History and Social Science;* B.S., Carnegie Institute of Technology; M.A., Ph.D., University of Pittsburgh.

Billups, Paul Harrison, (1964), *Instructor in History;* B.A., Davis and Elkins College; M.A., West Virginia University.

Boram, William A., (1963), Chairman, Department of Language and Literature; *Associate Professor of English;* B.A., Glenville State College; M.A., West Virginia University; Ph.D., University of Pittsburgh.

Brooks, James, (1964), *Instructor of Art;* B.F.A., M.F.A., State University of Iowa.

Brown, Emma Lee, (1962), *Assistant Librarian;* B.A., Fairmont State College. Graduate work West Virginia and Drexel Institute of Technology.

Cannon, George E., (1962), *Assistant Professor of Psychology;* B.A., Fairmont State College; M.A., West Virginia University. Candidate for Ph. D. Degree.

Caperton, Eva Park, (1963), *Instructor of Commerce;* B.S., M.B.A., West Virginia University.

Cecil, Carl Edwin, (1963), *Assistant Professor in Educational Psychology,* B.A., Marshall University; M.A., West Virginia University. Candidate for Ed.D. Degree.

Collins, Edmund E., (1949), *Professor of Physical Science*; B.A., and M.A., West Virginia University; Ed.D., University of Pittsburgh.

Conrad, Hunter J., (1961), *Director of Student Personnel and Placement;* B.A., Glenville State College; M.A., West Virginia University.

Copeland, Margaret E., (1952), *Assistant Professor of English;* B.A., West Virginia University; M.Ed., University of Mississippi.

Cox, Homer W., (1959), *Business Manager;* B.S., Marshall University.

Creasy, William D., (1954), *Professor of Biology;* B.S., West Virginia Institute of Technology; M.S., West Virginia University; Ph.D., State University of Iowa.

Davisson, A. Paul, (1947), *Associate Professor of Biology;* B.S., University of Kentucky; B.A., Fairmont State College; M.S., West Virginia Unisity.

Dillon, Roxy Downs, (1961), *Dean of Women;* B.A., Fairmont State College; B.S., and M.A., West Virginia University.

Douglas, Bonnie Houser, (1964), *Instructor in Nursing Education;* B.S., Alderson-Broaddus College; M.A., West Virginia University.

Duling, Galen F., (1964), Coordinator of Educational Field Services, *Associate Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

Dunn, Billy G., (1956), *Associate Professor of Business Administration;* B.S., Concord College; M.S., University of Kentucky. Candidate for Ed. D. Degree.

Duvall, Harold S., (1952), Associ*ate Professor of Physical Education;* B.A., Fairmont State College; M.A., Columbia University.

Eckles, Larry Edward, Jr., (1964), *Associate Professor of Languages;* B.A., and M.A., Western Reserve University; Ph.D., University of Paris.

Edgell, Fred B., (1962), *Professor of English;* B.A., Salem College; M.A., West Virginia University; Ph.D., Ohio State University.

Eisenhauer, Carole Teresa, (1964), *Instructor of Mathematics;* B.A., Trinity College; M.A., West Virginia University.

Erb, Reba Smith, (1964), *Instructor of French and English;* B.A., and M.A., West Virginia University.

Feaster, Eston K., (1960), *President*; B.A., Fairmont State College; M.A., West Virginia University; Ed.D., The George Washington University.

Ford, Eleanor, M., (1946), *Associate Professor of Physics;* B.S., and M.S., West Virginia University.

Fowler, Dwight, (1956), *Director of Technical and Industrial Education;* B.S., West Virginia Institute of Technology; M.Ed., Wayne University.

Frye, Neil, (1961), *Assistant Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

Gragson, Wesley M., (1957), *Professor of Music*; B.S., Western Kentucky State College; Mus.M., West Virginia University.

Gray, Wayne T., (1951), *Professor of Sociology;* B.S., University of Nebraska; M.A., and Ph.D., University of Wisconsin.

Gregg, Wayne E., (1962), *Instructor in Sociology;* B.A., and M.A., West Virginia University.

Hales, James A., (1964), *Instructor of Industrial Arts;* B.S., and M.A., Kent State University.

Hall, Gertrude, (1950), *Associate Professor of Home Economics;* B.A., Fairmont State College; M.A., Columbia University.

Hanks, William E., (1962), *Instructor of Speech;* B.A., University of Denver; M.A., Miami University.

Haught, Cleo D., (1925), *Associate Professor of Chemistry;* B.A., West Virginia Wesleyan; M.S., Ohio State University.

Hess, Melva, (1951), *Assistant Professor of Home Economics;* B.A., Fairmont State College; M.S., West Virginia University.

House, Clifford R., Jr., (1947), *Associate Professor of Philosophy and English;* B.A., Kentucky Wesleyan College; M.Ed., University of Cincinnati, M.R.E., University of Pittsburgh.

Hunt, George R., (1931), Acting Chairman, Department of Sciences; *Professor of Biology;* Ph.B., Denison University; M.A., West Virginia University; Ph.D., University of Pittsburgh.

Jaynes, Edgar N., (1947), Chairman, Department of Commerce, *Professor of Business and Economics;* B.A., West Virginia University; M.B.A.,

Johnson, Cyril W., (1947), Chairman, Department of Industrial Arts Education; *Associate Professor of Industrial Arts;* B.S., Stout Institute; M.A., Ohio State University.

Kerr, William H., (1963), *Assistant Professor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

Korchek, Robert A., (1964), *Instructor of English;* B.A., St. Bonaventure University; M.A., West Virginia University.

Larue, James A., (1954), Chairman, Department of Mathematics; *Professor of Mathematics;* B.A., and M.S., West Virginia University; Ph.D., University of Pittsburgh.

Leonard, Loy W., (1956), *Assistant Professor of Industrial Arts;* B.A., Fairmont State College; M.A., West Virginia University.

Lough, Jo Ann, (1956), *Assistant Professor of Speech and Dramatics;* B. A., Fairmont State College; M.A., West Virginia University.

Lucas, Aileen, (1964), *Assistant Librarian;* B.A., Marietta College; B.S. L.S., George Peabody College.

Marple, Cora, (1954), *Assistant Professor of Education;* B.A., Glenville State College; M.A., West Virginia University.

Mason, Frances L., (1962), *Instructor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

MASTERS, ROBERT G., (1960), *Assistant Librarian;* B.S., West Virginia University; M.A., George Peabody College.

McCARTY, PEARL S., (1952), *Professor of English;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., University of Florida.

McKOWN, GARY LEONARD, (1963), *Instructor of Chemistry;* B.S., West Virginia University; Candidate for Ph.D. Degree.

MILAM, OTIS H., JR., (1953), *Registrar and Director of Admissions;* B.S., West Virginia University; M.A., Marshall University.

MILLER, MARTHA, (1964), Director *of Nursing Education;* B.S.N., University of North Carolina; M.S., Western Reserve University. Candidate for Ed.D. Degree.

MOODY, FRANCES, (1962), *Assistant Professor of Music;* B.A., Concord College; M.A., Columbia University.

MUSICK, RUTH ANN, (1946), *Professor of English;* B.S., Missouri State Teachers College; M.S., and Ph.D., State University of Iowa.

NAEGELE, ORVILLE D., (1960), *Assistant Professor of Geology and Geography*; B.S., and M.S., University of Cincinnati.

PETRO, FLORA, (1964), *Instructor in Business Education;* B.A., Fairmont State College; M.A., West Virginia University.

PINTO, GINA S., (1956), *Assistant Professor of Business Education;* B.S., and M.A., West Virginia University.

POTESTA, WOODROW A., (1948), *Associate Professor of Business & Economics;* B.S., and LLB., West Virginia University.

QUINTRELL, DOROTHY E., (1955), *Associate Professor of Biology;* B.S., Wayne State University; M.S., University of Michigan.

RETTON, JOSEPH, JR., (1963), *Instructor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

RHODES, LILLIAN L., (1951), *Associate Professor of Art*; B.S., Longwood College, M.A., Columbia University.

ROBINSON, JAY E., (1959), *Assistant Professor of Music;* B.M., Western Michigan University; M.M.E., Indiana University. Candidate for Ph.D. Degree.

ROSIER, JOSEPHINE L., (1957), *Librarian;* B.A., West Virginia University; B.S.L.S., Columbia University.

SCHNEIDER, WILLIAM J., (1962), *Assistant Professor of Mathematics;* B. A., Fairmont State College; M.S., West Virginia University.

Shaffer, Dallas B., (1964), *Assistant Professor of History;* B.A., University of Richmond; M.A., West Virginia University. Candidate for Ph.D. Degree.

Straight, Earl N., (1961), *Associate Professor of Journalism and Director of Public Relations;* B.A., Fairmont State College; M.A., West Virginia University.

Swiger, Elizabeth Davis, (1956), *Assistant Professor of Chemistry;* B.S., and M.S., West Virginia University. Candidate for Ph.D. Degree.

Taylor, J. Martin, (1946), *Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., University of Colorado.

Teter, W. David, (1964), *Instructor of Industrial Education;* B.S.M.E., and M.S.M.E., West Virginia University.

Thralls, Suzanne, (1962), *Instructor of Speech;* B.A., Fairmont State College; M.A., University of Pittsburgh.

Troisi, James L., (1962), *Instructor of Political Science;* B.A., Lycoming College; M.A., Syracuse University.

Turley, George H., (1941), *Dean of Men;* B.A., Fairmont State College; M.A., West Virginia University.

Turner, William P., Jr., (1955), Chairman, Department of History and Social Science, *Associate Professor of History;* B.A., M.A., and Ph.D., West Virginia University.

Wallman, Lawrence A., (1929), Chairman, Department of Speech and Dramatics, *Associate Professor of Speech and Dramatics;* B.A., and M. A., West Virginia University.

Walters, Nelle E., (1947), *Associate Professor of Physical Education;* B.A., West Virginia University; M.A., George Peabody College.

Walton, Judith J., (1964), *Instructor of English;* B.A., Marietta College; M.A., West Virginia University.

Weihe, Kenneth G., (1950), *Professor of English;* B.S., College of Wooster, M.A., and Ph.D., Yale University.

Wellock, Richard Parker, (1960), Chairman, Department of Fine Arts, *Associate Professor of Music;* B.S., Southwest Missouri State College; M.A., Columbia University.

Willard, Margaret S., (1949), *Associate Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

Willertz, John R., (1962), *Instructor of History and Social Science;* B. A., University of Detroit; M.A., University of Michigan. On leave; graduate study.

Williman, John D., (1963), *Instructor of History;* B.S., College of Charleston; M.A., University of Alabama.

Wilmoth, Stark, A., (1962), *Director of Teacher Education;* B.A., and M.A., West Virginia University.

Wilson, Wilford R., (1939), Chairman, Department of Physical Education, Health and Recreation, *Associate Professor of Physical Education;* B.A., Fairmont State College; M.A., Columbia Universiay.

Wise, Kenneth G., (1948), *Associate Professor of Industrial Arts;* B.S., Ohio University; M.A., Ohio State.

Yost, Paul V., (1960), *Dean of the College; B.A., Shepherd College;* M. A., West Virginia University.

RETIRED MEMBERS OF FACULTY

Jasper H. Colebank, B.A., *Physical Education*
Eva Day Compton, M.A., *Home Economics*
Frank Hall, M.A., *Education*
Maud M. Hull, M.A., *Education*
Ethel Ice, M.A., *German*
M. E. McCarty, M.A., *Mathematics*
Paul F. Opp, Ped.D., *English*
Mary B. Price, *Music Supervisors Diploma, Music*
Haddon Rhodes, M.A., *English*
Jean E. Richmond, M.A., *Home Economics*
Francis Shreve, Ph.D., *Education*
Herman Arthur Shutts, M.A., *Mathematics*
Marjorie Tate, M.A., *English*
Elizabeth Terry, M.A., *French*
R. P. Ward, Ph.D., *Chemistry*

ADMINISTRATIVE ASSISTANTS

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Beulah Cole, *Head Resident,* Pence Hall
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Beaty, Mary Becker
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Berry, Mildred Jack
Brock, Robert N.
Brookover, Darwin O.
Brookover, Louise C.
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Brown, Eva Mae
Brumage, Beatrice Geneva
Burns, Doris Weekley
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Ford, Alma Regina
Fox, Lois Wilson
Frye, Pauline Cunningham
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Gaskin, Vaughn Wm., Jr.
Givens, Ruth Joan
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Gricewich, Robert W.
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Hamilton, Donald Lee
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Harris, Nancy Smith
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McLane, Margaret Ruth
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Michael, Paul G.
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Miller, Maxine M.
Modi, Abraham D.
Mullenex, Judith Ann Baer
Muto, Joseph Michael
Muto, Lois
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Miller, George Robert
Miller, Thomas Byron
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Nuzum, Hazel Rozella
Oney, Ruth Elizabeth
Palmer, Gertrude Winona
Rosenberger, Sandra L.
Singleton, Mary
Spevock, Michael Rush
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Straight, Roselyn Williamson
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Campus Safety, Welfare, and Security
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Courtesy
Curriculum
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General Education	Dr. McCarty
Nursing	Miss Miller
Secretarial	Miss Petro
Technical Education	Mr. Teter
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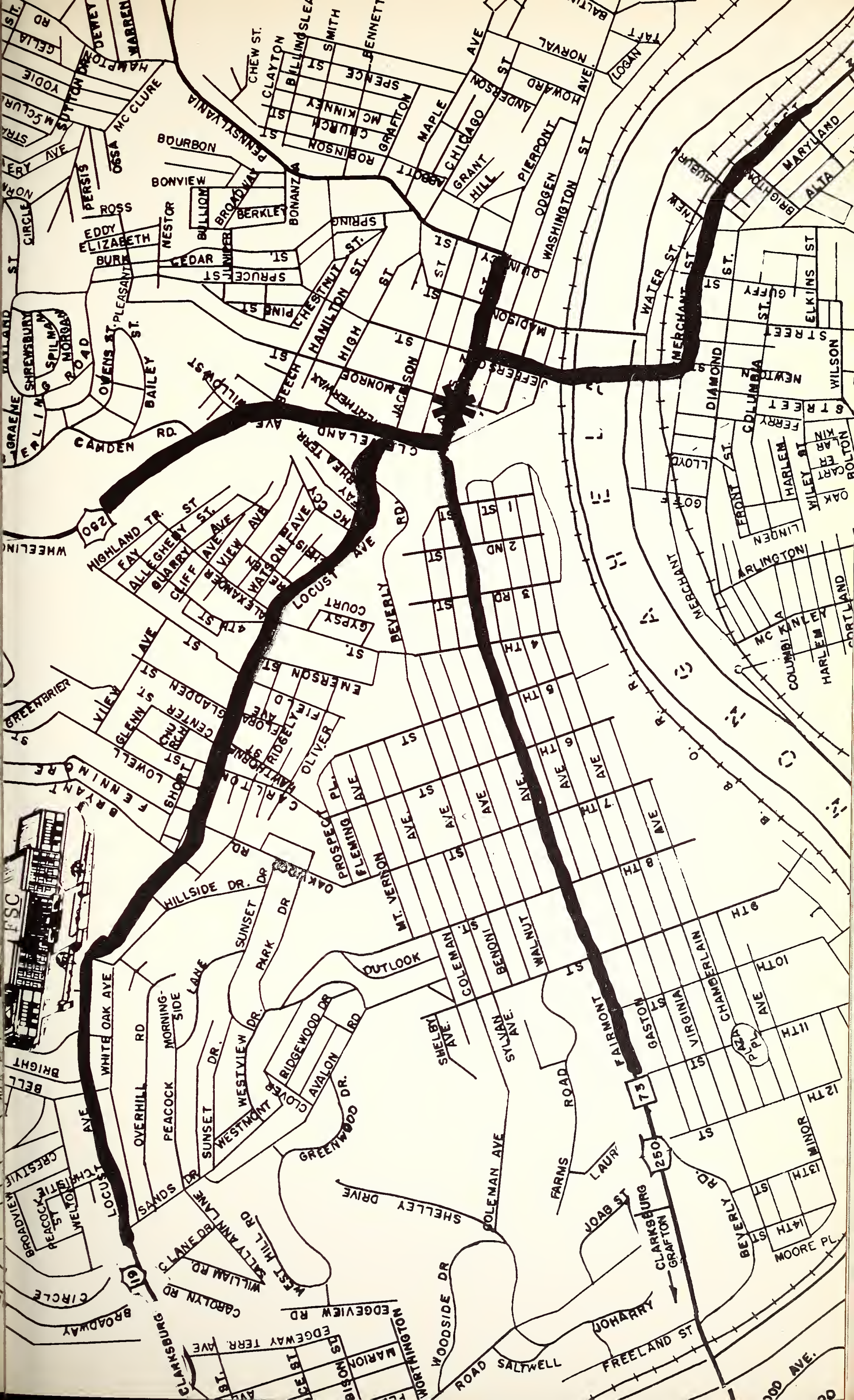

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1867
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AIRMONT STATE COLLEGE

CATALOG

1966 - 1967

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  For everything concerned with the admission of students, including requests for the college catalogue and other publications, academic credits, and information about fees, address:

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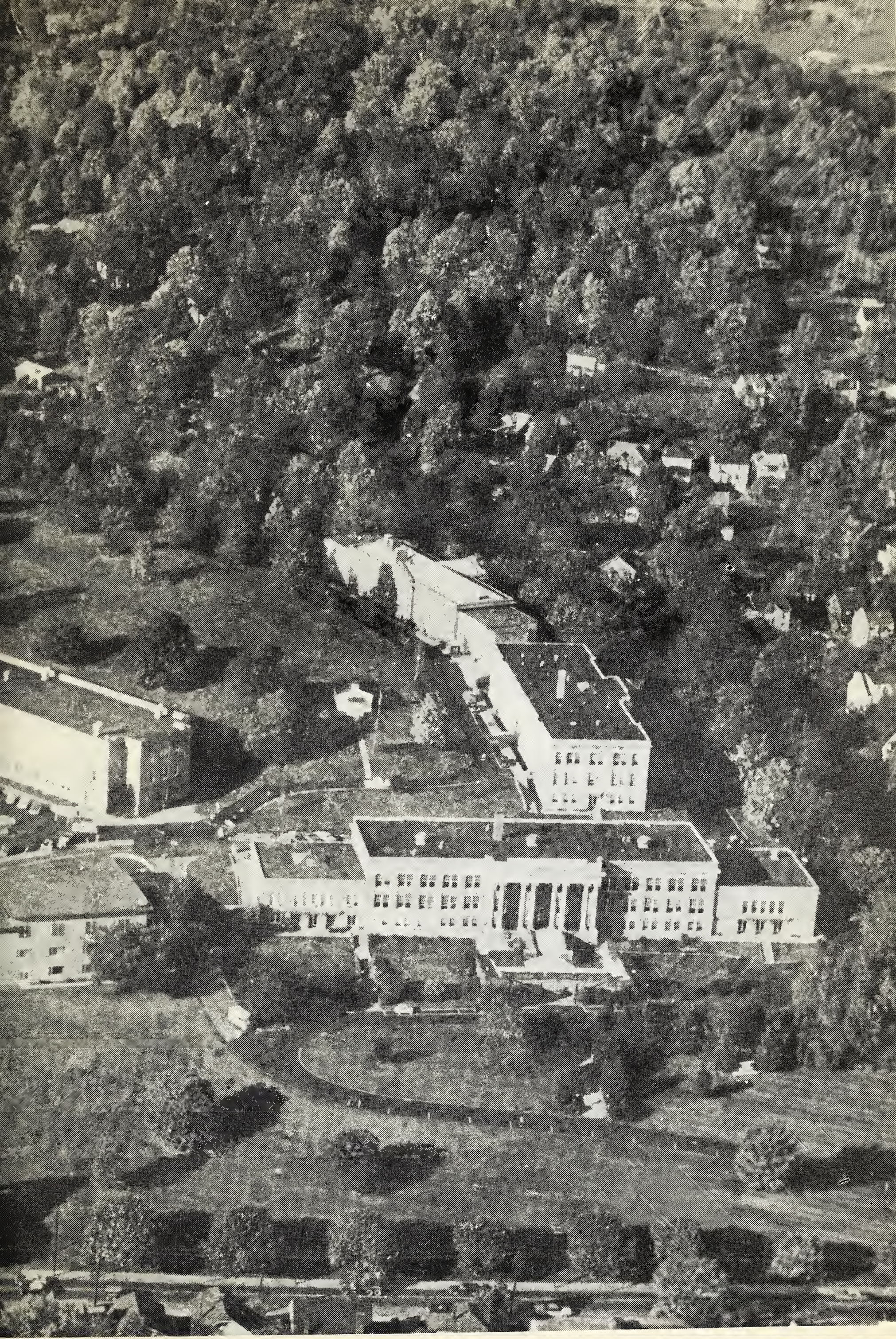
FAIRMONT
STATE COLLEGE

Volume XCIV January 1, 1966 Number 1

GENERAL CATALOG
1966-1967

FAIRMONT, WEST VIRGINIA

THE CAMPUS BEAUTIFUL—*Fairmont State College's nearly 80 acres of campus is one of the beauty spots of this section of the state (see identity map on following page). The campus is served by bus lines to residential and shopping*



areas, yet it is only a short walk to the downtown area where you may shop at leisure.

CAM

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Fairmont, V

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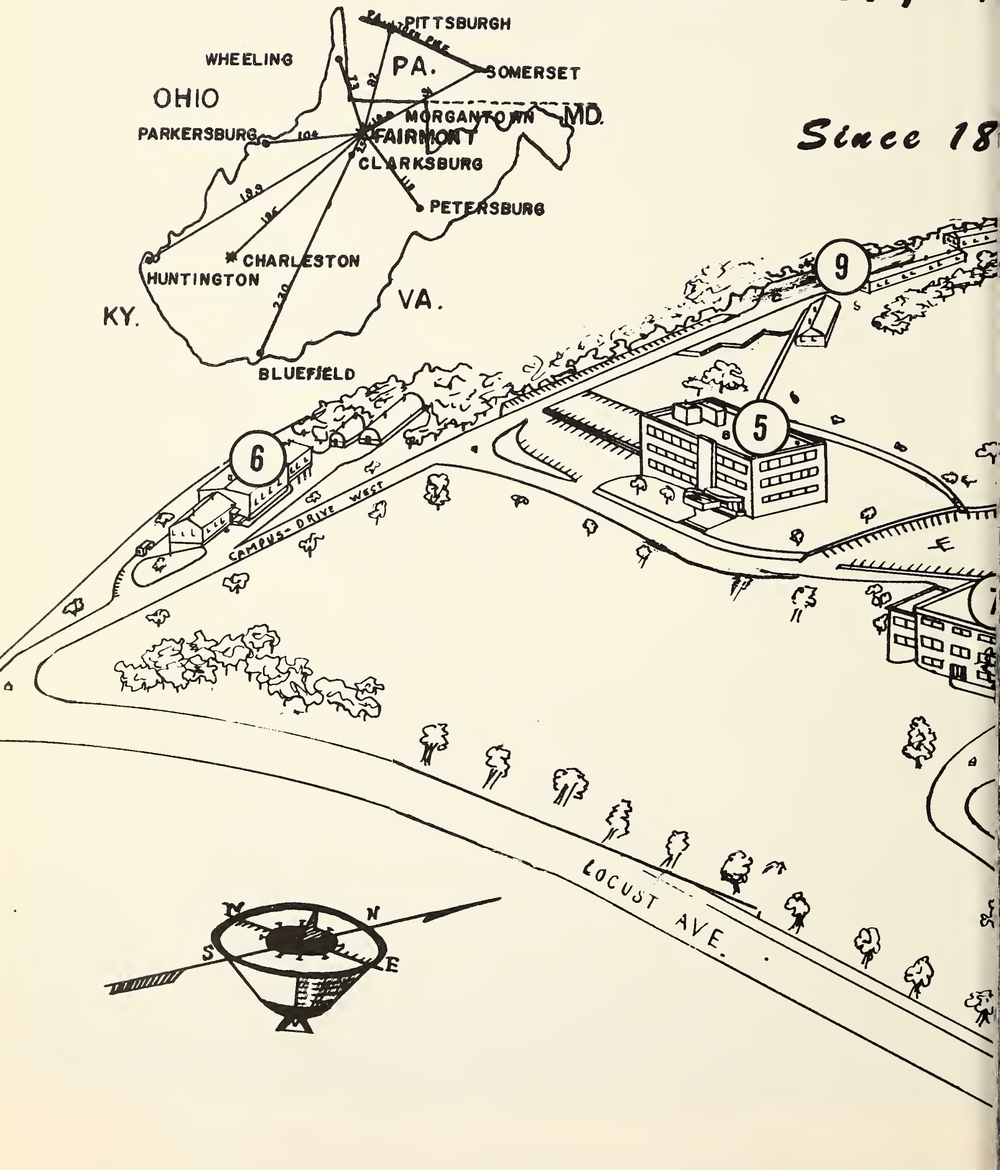
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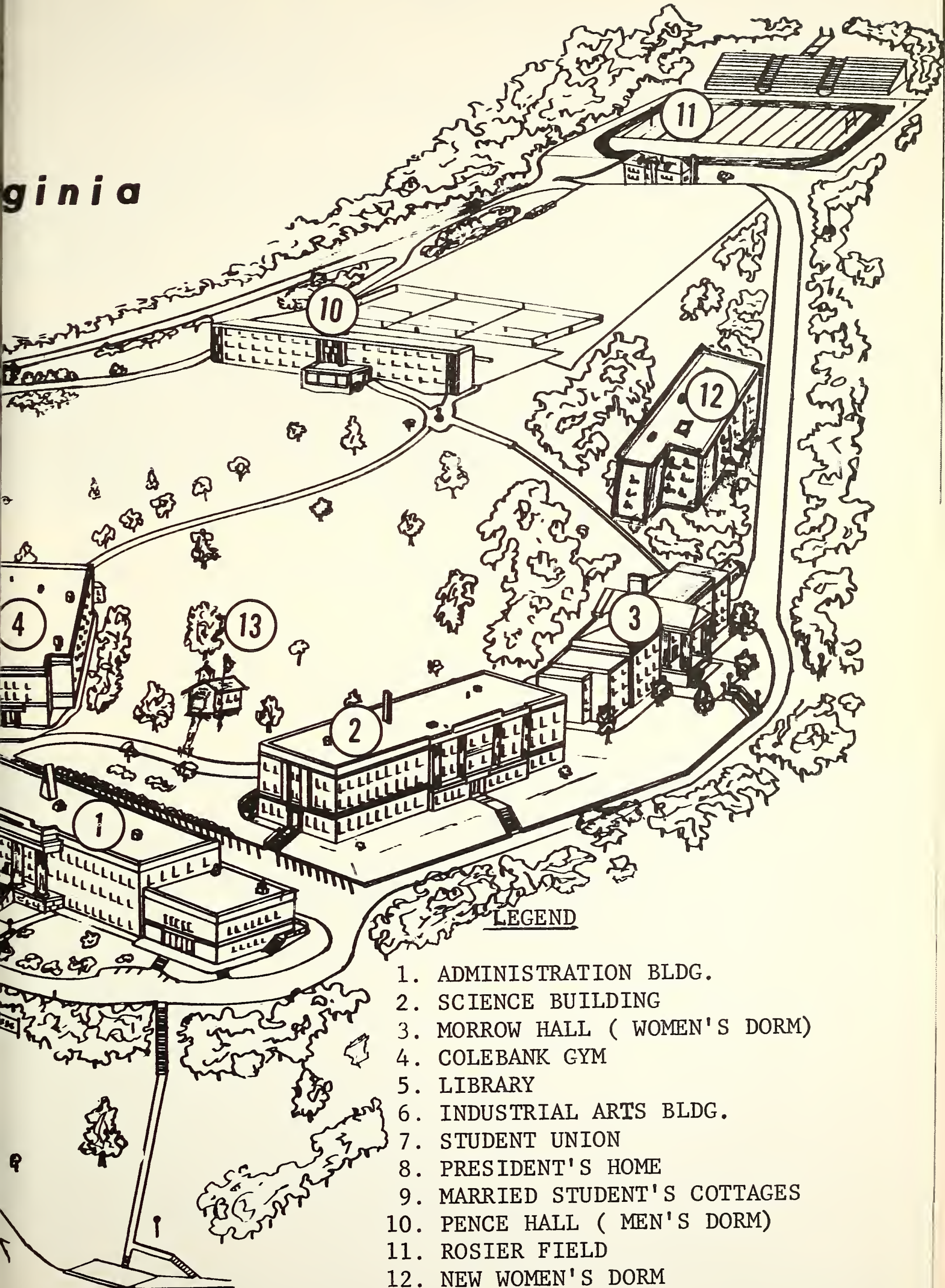
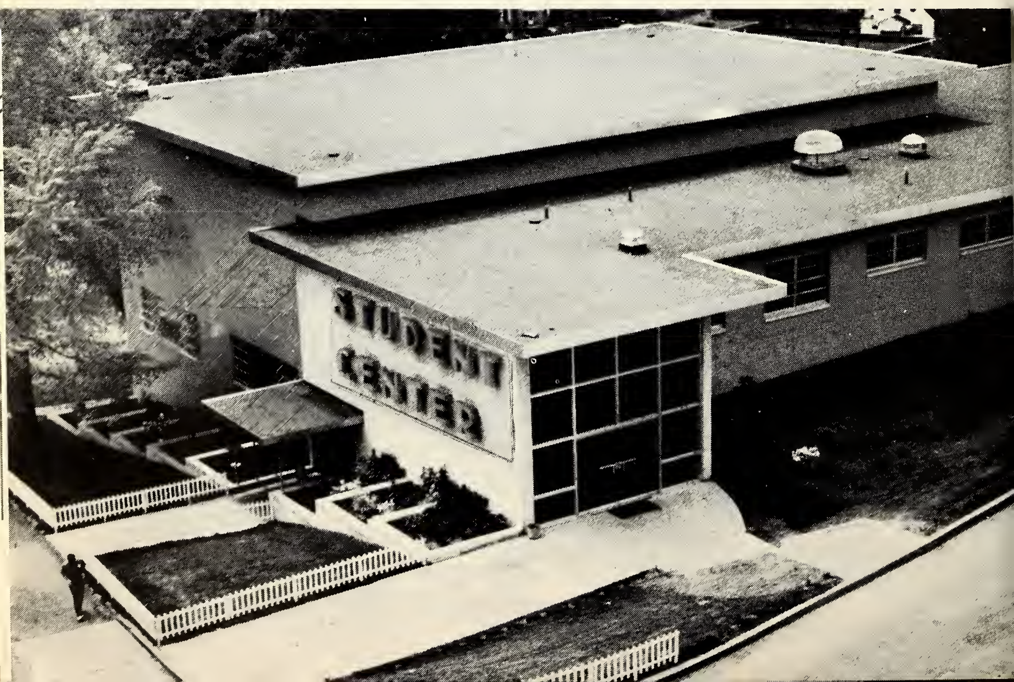


LEGEND

1. ADMINISTRATION BLDG.
2. SCIENCE BUILDING
3. MORROW HALL (WOMEN'S DORM)
4. COLEBANK GYM
5. LIBRARY
6. INDUSTRIAL ARTS BLDG.
7. STUDENT UNION
8. PRESIDENT'S HOME
9. MARRIED STUDENT'S COTTAGES
10. PENCE HALL (MEN'S DORM)
11. ROSIER FIELD
12. NEW WOMEN'S DORM
13. ONE-ROOM SCHOOL

ADMINISTRATION BUILDING—*Oldest and largest building on campus. Completely modernized this past year, its famous columns face Locust Avenue.*

STUDENT CENTER—*The busy center for campus student activity. Also houses College Book Store in basement and snack bar on center floor.*



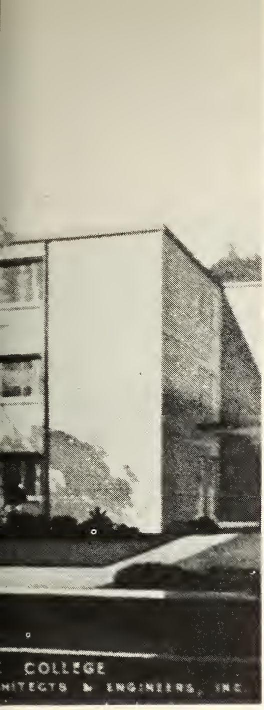
SCIENCE HALL—*Large brick structure housing departments of mathematics, natural and biological sciences, home economics and business administration.*

LIBRARY—*Three-story modern brick structure with air conditioned rooms and nearly 60,000 volumes. Contains film room, music and foreign language listening rooms and special study areas.*

WOMEN'S RESIDENCE HAL

NEW WOMEN'S DORMITORY—*Newest of buildings on campus and housing 150 women students in beautiful surroundings with cafeteria service in adjoining women's hall.*

PENCE HALL FOR MEN—*Located on a commanding site above the main campus and built of light brick. Accomodations for 132 men. Large, modern lounge area.*


COLLEGE
HITECTS & ENGINEERS, INC.

MORROW HALL—*Oldest of two women's dorms, yet recently remodeled with two additional wings to accomodate 124 women. Modern cafeteria located on basement floor.*

COLEBANK GYMNASIUM—*Contains two modern gymnasiums, swimming pool, locker areas, showers, training areas and offices for the physical education staff.*

FALCON FIELD HOUSE—*At present being doubled in size at Rosier Field to provide more dressing room, shower areas and public toilet facilities.*

INDUSTRIAL ARTS BUILDING—*Now serving for industrial and technical training until new Arts Building is completed. Equipped with finest in machinery and other equipment.*

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CALENDAR FOR 1965-1966

June	13	Monday	Registration for First Summer Session
June	14	Tuesday	First Classes, First Summer Session
June	14	Tuesday	Last day of enrollment, First Summer Session, Late fee
June	15	Wednesday	Last day students admitted to classes
June	17	Friday	Summer assembly
June	18	Saturday	Classes will meet
July	4	Monday	Classes not in session
July	15	Friday	Final examinations, First Summer Session
July	18	Monday	Registration for Second Summer Session
July	19	Tuesday	First classes
July	19	Tuesday	Last day of enrollment, Second Summer Session, Late fee
July	20	Wednesday	Last day students admitted to classes
Aug.	19	Friday	Final examinations, Second Summer Session
Sept.	1-2	Mon. & Tues.	Fall Faculty Conference
Sept.	6	Tuesday	Freshmen arrive on campus
Sept.	6-9	Tues.-Fri.	Freshmen Orientation
Sept.	9	Friday	Registration for First Semester
Sept.	12	Monday	First classes, First Semester
Sept.	14	Wednesday	Registration for Evening Classes, 6:00-7:00 and First Class Meeting, 7:00-9:00
Sept.	15	Thursday	Final Enrollment, First Semester
Sept.	15	Thursday	No new classes added or schedule changes after Sept. 15
Sept.	21	Wednesday	Final examinations, Evening Classes
Nov.	4	Friday	Mid Semester reports due
Nov.	22	Tuesday	Thanksgiving Recess begins 10:00 p.m.
Nov.	28	Monday	Classes resume
Dec.	5-8	Mon.-Thurs.	Pre-registration, Second Semester
Dec.	16	Friday	Christmas recess begins 4:00 p.m.
Jan.	3	Tuesday	Classes resume
Jan.	19-25	Wed.-Tues.	Final examinations, First Semester
Jan.	26-29	Wed.-Sun	Semester recess
Jan.	30	Monday	Registration for Second Semester
Jan.	31	Tuesday	First Classes, Second Semester
Feb.	1	Wednesday	Registration for Evening Classes, 6:00-7:00 and
Feb.	8	Wednesday	Final registration for evening classes
March	22	Wednesday	Easter recess begins 10:00 p.m.
March	28	Tuesday	Classes resume
May	1-4	Mon.-Thurs.	Pre-registration for Summer and Fall Terms 1967-1968
May	26-		
June	1	Fri.-Thurs.	Final examinations
June	3	Saturday	Commencement 10:00 p.m.

FAIRMONT STATE COLLEGE

FAIRMONT, WEST VIRGINIA

Established 1867

1867
99
YEARS
OF SERVICE TO
THE STATE
1966

WEST VIRGINIA BOARD OF EDUCATION

The State Board of Education has complete control over the educational, administrative, and fiscal policies of Fairmont State College. The personnel list of the present board follows:

Perce J. Ross, *President,* Buckhannon	1968
Joseph C. Jefferds, Charleston	1965
A. H. Spangler, Bluefield	1966
Lacy I. Rice, Martinsburg	1967
Charles H. Brown, Kingwood	1969
Anagene P. Bartram, Kenova	1970
S. J. Baskerville, Charleston	1971
W. Robert Abbot, Fayetteville	1972

Rex Smith, *State Superintendent of Free Schools, member ex officio,* Charleston

H. K. Baer, *Secretary,* Charleston

William Osborne, *Administrative Assistant,* St. Albans

George T. West, *Supervisor of Buildings and Maintenance,* Hurricane

President's Home

Administrative Officers of the College

Eston K. Feaster, Ed.D., *President*

Paul V. Yost, M.A., *Dean of College*

George H. Turley, M.A., *Dean of Men*

Roxy Dillon, M.A., *Dean of Women*

Hunter J. Conrad, M.A., *Director of Student Personnel*

Otis H. Milam, Jr., M.A., *Registrar, Director of Admissions*

Earl N. Straight, M.A., *Director of Public Relations and Alumni Sec.*

Josephine L. Rosier, B.S.L.S., *Librarian*

Wilford R. Wilson, M.A., *Director of Athletics*

Homer W. Cox, B.S., *Business Manager*

Harry C. Fleming, M.D., *Director of Student Health Service*

Edgar L. Williams, Jr., B.S., *Superintendent of Buildings and Grounds*

GENERAL INFORMATION

LOCATION

Fairmont State College is a coeducational institution of higher education located at Fairmont, West Virginia. Fairmont is a city of about 30,000 population, the county seat of Marion County, and the center of the coal industry of northern West Virginia. It is the operating headquarters and home of a number of large coal, utility, and manufacturing concerns. The city offers unusual cultural and economic advantages. It possesses excellent stores, theatres, park and recreation facilities, and churches of all faiths. Community groups provide excellent outlets for local talent. Student and faculty members of Fairmont State College take an active part in community activities. (See maps on page xx and inside cover.)

PURPOSE AND AIMS

Fairmont State College is a four-year state college whose purpose is to serve its area and the state at large by offering such undergraduate curricula in general and vocational education as the West Virginia Board of Education may approve.

Under this board directive, Fairmont State College offers curricula for the preparation of elementary and high school teachers and curricula leading to degrees in the liberal arts and sciences. Besides the courses terminating with the granting of degrees, Fairmont State College offers two-year curricula in several areas and two or three years of pre-professional training in a number of fields.

Evening classes and extension programs offered are designed to meet the needs of in-service teachers of the area to provide local business and professional people opportunities for additional training in their particular fields.

In addition to its formal academic program, the College is interested in participating actively in worthwhile community projects. To that end, it is the policy of the college administration to share with the community the cultural program and physical facilities of the College.

By providing a suitable environment, good equipment, and a well-trained staff, Fairmont State College aims to offer for its students training that should equip them wih vocational and personnel fitness for life, and to provide the community with a source of information and culture.

HISTORY

Founded as a private teacher training school in 1865, Fairmont became a state supported normal school in 1867. Housed originally in space provided by a local church, Fairmont State College has since occupied sites at the heads of Adams Street and at Second Street and Fairmont Avenue in the block now containing the United States Post Office. In 1917 the College was moved to its present location on Locust Avenue.

Fairmont State College is the oldest existing normal school south of the Mason and Dixon Line, and the earliest recipient of aid from the George Peabody Fund. Operated as a teacher training school with some academic work on the secondary school level, Fairmont's scope was widened in 1908 when teachers were permitted examinations. In 1924 Fairmont granted its first bachelor's degree in education on the basis of the completion of a four year college course. In 1931 the Legislature changed the name of Fairmont State Normal School to Fairmont State Teachers College. The title was again changed by the Legislature in 1943 to FAIRMONT STATE COLLEGE, and authorization was given to offer Bachelor of Arts and Bachelor of Science degrees. As a result of these developments, Fairmont is now authorized and equipped to offer a wider educational service to the people of West Virginia than ever before in its long history.

CAMPUS

The Fairmont State College Campus consists of over seventy acres with its principal frontage on Locust Avenue Extension. On a commanding site overlooking much of the city of Fairmont, the college is readily accessible to all students by private car or public transportation.

BUILDING AND EQUIPMENT

Fairmont State College possesses an unusually modern and well-equipped physical plant.

Administration Building — although the oldest and largest building on the campus, it has just been completely renovated and modernized. In addition to the administrative offices, it houses numerous classrooms, and other facilities. Centered by its famous "columns," the Administrative Building presents an impressive frontage to Locust Avenue, one of Fairmont's busiest thoroughfares.

Auditorium — with a seating capacity of 500 persons is located in one wing of the Administration Building. Here dramatic production, concerts, assemblies, and other important campus activities are carried on.

Library Building — is a three story structure of steel, concrete, glass and brick. Functional rather than monumental in design, it emphasizes accessibility of books, attractive informal appearance, good lighting, acoustical treatment and mechanical ventilation. In addition to the usual library facilities and services, there is a typing room for use of students, a number of individual study desks and carrells, music listening facilities, study room for textbooks only, two seminar rooms and a moving picture screening room.

At the present time there are over 58,000 volumes, including sets of exclusive government documents, for which the library is an approved depository. The Library receives many daily newspapers and more than 350 periodicals. It also operates a film rental service for the benefit of the several departments and campus organizations. The Library maintains a collection of over 400 albums of records for faculty and student use.

Science Hall — is a large, light-brick building housing the departments of Mathematics, Natural and Biological Science, Home Economics, and Business Administration.

Colebank Gymnasium — is one of the newer campus buildings. It contains two gymnasiums, one for men and one for women. It also contains a fine swimming pool, classrooms, lockers, showers, equipment and officer rooms. It is constantly in use by the various activities of the Physical Education Department and the campus generally.

Morrow Hall — (Women's Dormitory) is a three-story building which has recently been enlarged by the addition of new wings on each floor. This modernized structure will accommodate 124 women. The college cafeteria is located in this building.

New Women's Hall — is a new, three-story building with accommodations for 150 women and an apartment for the head resident. Meals are served in the College Cafeteria which is conveniently located in an adjacent building.

Pence Hall — (Men's Dormitory), is a new three story, light-brick building, located on a commanding site above the main campus. The building has accommodations for 132 men, and a resident manager. A handsome and commodious lounge area is included. Meals are not served in this building, but in the College Cafeteria.

Cafeteria — is located on the ground floor of Morrow Hall. This area has just been thoroughly renovated and modernized. Service capacity has been doubled. A convenient lounge area for men and women has been provided.

Industrial Arts Building — is a single-story frame building with full basement. It is 195 feet long and contains a central section 75' x 40', and two wings, each 60' x 25'. It is well designed to provide the necessary space for an integrated course in all phases of industrial arts work. A smaller unit of the quonset hut type is available in an adjoining location, for additional offerings in the Industrial Arts field. (new building being constructed)

Music Practice Studio — is situated to the rear of Colebank Gymnasium, provides studios and practice rooms for the Music Department.

Field House — situated on Rosier Field, is equipped with dressing rooms, lockers, and showers for visiting and local football and baseball teams.

Rosier Field — situated at the upper end of the campus, is one of the beauty spots of Fairmont. Space is provided for a large football field, practice fields, baseball diamond and parking space. A concrete stadium capable of seating 5,500 spectators is provided. Nearby are tennis courts. A second athletic field has just been completed above the stadium field for phys. ed., soccer, and practice. Also completed is a field house wing with public toilet facilities, a press box and a concession stand.

President's Home — is a ranch-type structure of brick, situated on a knoll overlooking the main campus.

Campus Apartments — situated in nine barracks-type buildings, are available on the campus for rental to married students. Accommodations are currently available for married men.

Student Union Building — a light-brick building, situated centrally on the campus, contains the snack bar, the College Bookstore, a large ballroom, and other social and operating facilitites. This building is the center for all student activities on the campus.

One-Room School Museum — was brought to campus and reassembled as a Centennial project. Open as tourist attraction, and contains artifacts of yesteryear such as books, stove, recitation bench, school bell, etc.

ACADEMIC INFORMATION

ACCREDITING

Fairmont State College is fully accredited by the North Central Association of Colleges and Secondary Schools and the National Council for Accreditation of Teacher Education. The College also holds membership in the American Association of Colleges for Teacher Education, the Association of American Colleges, the American Council on Education, the National Commission on Accrediting, and the American Association of University Women. These affiliations guarantee to Fairmont State College graduates and students full recognition of their earned credits in other colleges and universities.

DEGREES

The degrees granted by Fairmont State College are Bachelor of Science, Bachelor of Arts, and Bachelor of Arts in Education. For each degree 128 semester hours of credit are required. The number of quality points required for a degree is not less than 256, but may be more, for each student must average two points for each semester hour attempted. This is to say that the quality point average is computed by using all courses entered on the student's permanent record card. No student shall be awarded more than one baccalaureate degree.

ADMISSION

General Admission Procedure—All students desiring admission to Fairmont State College, whether directly from high school or as a transfer student from another college or university, must file an application for admission and health record on forms provided by the Registrar and Director of Admissions. All correspondence relative to admission and all credentials in support of an application must be on file at least two weeks prior to the opening of a semester or term.

Admission of West Virginia High School Graduates—Graduates of approved West Virginia High Schools are eligible if they rank in the upper three-fourths of the graduating class, have completed at least 17 units of work (including the prescribed units cited below), and have no severe health or character defect. The following high school units are required for admission:

English—4 units
Must be basic English with no substitutes such as speech, journalism, or drama.

Science—2 units
One of which must be biology. The second unit must be a basic science such as general science, chemistry, physical science, physics, etc.

Mathematics—2 units
One of which must be algebra.

Social Studies—3 units
One of which must be American history.

Health and Physical Education—1 unit
Unless waived by the high school principal upon written reccommendation of a physician.

Foreign Language—2 units recommended
Two units should be in the same language.

Students who fail to complete the required pattern of high school units cited above may have certain deficiencies waived as follows: Students who have graduated from accredited high schools may be granted admission if they rank in the upper one-half of their graduating class and achieve a composite score of 17 or more on the American College Test (ACT) and have no more than a single unit of violation in any one subject area or two violations on all areas.

Graduates of approved secondary schools who rank in the lower quarter of the graduating class may be admitted provided they have attained a composite standard score of 14 or above on the American College Test administered during the senior year or summer prior to admission to college.

Admission of Out-of-State Students—To be considered for admission, applicants whose legal residence is in a state other than West Virginia must rank in the upper one-half of their graduating class, meet the subject matter pattern required for resident students, complete the ACT test and have the recommendation of their high school principal or counselor. The final decision as to eligibility is based on a combination of the above factors.

Foreign Students—To be admitted, the foreign students must demonstrate proficiency in written and spoken English. Such proficiency can be established by the successful completion of the Test of English as a Foreign Language, administered by the Education Testing Service of Princeton, New Jersey, 08540. Information concerning this test can be secured through U. S. Embassies and Consulates throughout the world or by writing to TOEFL, 1755 Massachusetts Avenue, N.W., Washington, D. C., 20036.

The applicant must also file an application for admission, a health form, and an official transcript of all academic credits and grades. The transcript must be sent by the institution last attended. The application for admission may be secured by writing to the Director of Admissions, Fairmont State College, Fairmont, West Virginia, 26554.

Admission of Superior and Talented High School Students—The West Virginia Board of Education has authorized the admission of a limited number of outstanding high school students. either in the summer following completion of their junior year in high school or on a part-time basis during their senior year in high school on the following basis:

1. Have completed the junior year of the college-bound curriculum of his high school.
2. Have a B+, or better, average on high school subjects in the college-bound curriculum.
3. Have the recommendation of his high school principal.
4. File an application for admission and submit transcripts of high school credits and grades.
5. Be approved by the Director of Admissions.
6. Pay regular college fees.

The credit earned under this arrangement is college credit and will be "stored" here and granted to the student when he enrolls in college. Should he enroll in another college, a transcript of the work will be forwarded to that institution. The decision as to whether advance standing credit is granted is, of course, left to the discretion of the receiving institution.

This program is not designed to interfere with the regular high school program. Rather, it affords an opportunity for superior students to accelerate their training if they so desire.

Admission by G. E. D. Test—Non-high school graduates (veterans and persons over age of 21) will be admitted if they attain a standard score of

40 on each of the five parts of the General Education Development Test or an average standard score of 50 or above on the entire Test. Such students must have no severe character or health defect. G. E. D. scores must be sent direct to the Registrar and Director of Admissions from USAFI or from the testing center.

Admission of Transfer Students—Any applicant for admission to Fairmont State College who has attended another institution of collegiate rank will be classified as a transfer student, whether he has earned credit or not. The college does not under any condition disregard college or university credits earned elsewhere. Credit earned at other accredited colleges and universities will be allowed toward a degree if applicable.

To be admitted as a transfer student, one must meet the entrance requirements of Fairmont State College, must present evidence that he is in good standing in every respect at the institution last attended, and must have maintained a "C" (2.0) or better average on all college work previously attempted. Students who have been dismissed for academic or social reasons will not be eligible for admission. Students whose scholastic average is below "C" (2.0) in previous college work may be admitted on probation if such an admission seems warranted. In no case shall a student be admitted whose record is such that he would have been dropped at Fairmont State College.

Transfer credits are posted on the permanent record as received. All grades received by a transfer student in the college or colleges which he has previously attended must be included in the calculation of his quality point average even though some of the grades do not represent courses for which credit can be granted. Grades earned in other institutions shall not be used to make up a deficit of quality points in this instiution except as provided by Board order.

To be official, a transcript must come direct from the institution issuing it and must bear the official seal of the institution, and the manual signature of the proper authority. The transcript should show the descriptive title of the courses, the year in which the work was done, the number of credits, and the grades. Transcripts, when accepted, become the permanent property of the college and will not be returned to the student. Such transcripts should be sent at least thirty days prior to the opening of the semester or term.

No credit of collegiate grade will be allowed for work done in the former normal training schools, except as authorized by the West Virginia State Board of Education. By the action of the board five-eighths college credit may be allowed for such work up to a maximum of 20 hours, provided credit was earned after graduation from high school.

General Requirements for All Applicants for Admission—All credentials submitted in support of an application for admission become the property of the College and will not be returned to the student. Such credentials include an official transcript of high school or college grades, an application for admission and a health record. The prospective student is responsible for the submission of all necessary forms and records in support of an application for admission.

Admission is for one semester or term and may be used only for that time. If the student fails to register during the semester or term for which he has been admitted, he must file another application if he desires admission at a later date.

Admission does not guarantee housing. Separate applications for dormitory space must be submitted to the Registrar and Director of Admissions.

Any student admitted upon the basis of false and/or incomplete credentials will be subject to immediate dismissal from the college.

The American College Test—Fairmont State College requires the American College Test (ACT) of all applicants for admission. Scores on this test are used in placing students in English and Mathematics, for applicants for scholarships and loans, and in the academic counseling program. High school students are urged to take the test during their senior year. Scholarship and loan applicants must take the test either in November or February. Information concerning the test may be secured from the high school principal or counselor.

PRE-REGISTRATION

All freshmen and transfer students are urged to pre-register during the summer preceding enrollment. Freshmen students who have taken the ACT Tests during their senior year in high school are given priority. Students who have not taken the ACT Test will be permitted to undergo testing during the summer. No student will be pre-enrolled unless or until he completes the ACT Test. All new students are expected to pre-register unless they live at such a distance from Fairmont as to make a special trip an undue hardship. It is understood, however, that students who participate in the pre-registration program will be given priority in making schedules.

Transfer students who have been fully admitted may be pre-registered by coming to the campus at a time arranged with the Registrar. All transfer students should avail themselves of this opportunity since it simplifies the transfer process.

A pre-registration period for regularly enrolled students is scheduled each semester. The purpose of pre-registration is to insure students adequate schedules. All students must pre-register if they plan to re-enroll for the following semester or term.

REGISTRATION

At least one month prior to registration day an official transcript of credit must be filed in the Office of the Registrar and Director of Admissions for each incoming freshman and each transfer student.

All students are expected to complete registration on the days designated for this purpose at the beginning of each semester or term. Registration by proxy is prohibited. While all students are expected to register on time, late registration periods are permitted within prescribed limits as set forth in the schedule. Late registration fees are assessed in accordance with the fee schedule cited under Special Fees.

SEMESTER HOURS—DEFINITION

The semester hour is the basis of college credit within the institution. A lecture-recitation course meeting one period a week for a semester carries one semester hour of credit; if meeting two periods; two semester hours of credit. Laboratory courses, however, require a minimum of two periods a week for each semester hour of credit.

GRADING SYSTEM

The following system of grading is used within the institution:

A—Superior, given only to students for exceptional performance.
B—Good, given for performance distinctly above the average in quality.
C—Average, given for performance of average quality.
D—Lowest passing grade for performance of poor quality.
F—Failure. Course must be repeated if credit is to be received.

FIW—Failure because of irregular withdrawal.

I—Incomplete, given to a student who misses a part of the course for a reason the instructor recognizes as a valid excuse for delay in completing the assignments. Unless the work missed is completed within a year from the date the mark is recorded, the I automatically changes to an F.

WF—Withdrew Failing, from one class or from college.

WP—Withdrew Passing, from one class or from college.

QUALITY POINTS

The quality of a student's work is indicated by quality points.

Candidates for graduation must have at least twice as many quality points as semester hours, attempted, that is, a point-average of 2.00 on all college work and on all work completed at Fairmont State College. Quality points for grades A, B, C, D, are computed as follows:

A—Four (4) quality points for each semester hour of credit.
B—Three (3) quality points for each semester hour of credit.
C—Two (2) quality points for each semester hour of credit.
D—One (1) quality point for each semester hour of credit.

A student's grade average is determined by dividing the number of his quality points by the number of credit hours he has scheduled. No quality points are attached to grades F, FIW, and WF, but the credit hours for the courses in which these grades are received will be used in computing his grade average.

In order to be graduated, a candidate for a degree must have maintained a quality point average of 2.00 or better in all college courses and in all credit earned at FSC. An average of 2.00 must also be maintained in the major and minor fields of study and for the remaining semester hours taken collectively if the student is a candidate for the A. B. or B. S. degree. If the student is in teacher education, he must maintain an average of 2.00 in each teaching field and/or minor assignment and in education courses. Grades earned in other institutions shall not be used to make up a deficiency of quality points in this institution except as provided by Board order.

It is the student's responsibility to keep informed of his quality point standing. This information can be obtained at any time from the Registrar.

CLASSIFICATION OF STUDENTS

Students who have completed not less than 90 hours of college work are classified as seniors.

Students who have completed not less than 58 hours and not more than 90 hours of college work are classified as juniors.

Students who have completed not less than 26 hours and not more than 58 hours of college work are classifield as sophomores.

Students who have completed the high school or secondary course and not more than 26 hours of work are classified as freshmen.

NUMBERING OF COURSES

Courses for freshmen (100 series) and sophomores (the 200 series) constitute the lower level of curriculum. Courses numbered 300-499 are primarily for juniors and seniors. Almost all general education requirements consist of lower level courses which should be completed as far as possible by the end of the sophomore year.

CREDIT FROM A JUNIOR COLLEGE

The maximum credit accepted from a Junior College accredited by the North Central Association of College and Secondary Schools or other regional accrediting associations will not exceed 72 semester hours. No more than 64 semester hours may be accepted from junior colleges which are not regionally accredited. No credit will be allowed for courses completed in a junior college subsequent to attainment of junior or higher rank by the student.

NON-RESIDENT OR OFF-CAMPUS CREDIT

One hundred (100) semester hours of the 128 required for graduation shall be completed in regularly scheduled campus courses. The 28 hours of permissible non-residence courses may be earned by extension, home study (correspondence), radio, television, special examination and/or army service. Credit earned in home study will be accepted only when earned in a regionally approved college.

ASSIGNMENTS AND CREDITS

1. Semester Load: A student who enters at the beginning of a semester may be assigned an 18 hour schedule, but not more, except by permission from the Registrar. An adviser may not give permission for more than eighteen hours.

2. Late Registration Fees. See p. 20 under special fees for schedule of fees for the late registration. It should be understood, however, that late registrants often fail to obtain satisfactory schedules, for the policy and practice of the College is to give priority to students who register on the dates for regular registration.

3. Schedule Changes: Students must petition the Committee on Admissions and Credits to make schedule changes after the third week of a semester or the second week of a summer term.

Students may not add new classes to their schedule after the period of registration has ended. An exception is made for classes which begin at midterm. Registration for these classes, however, must be completed before the classes start.

4. Withdrawal from College: A student desiring to withdraw from the College will apply at the Registrar's Office. Here forms will be obtained, which when completed with the proper signatures and returned to the Registrar's Office, will constitute an official withdrawal. The instructor records on the Final Grade Report to the Registrar, a W for students withdrawing during the first six weeks of a semester or two weeks of a summer term. In case the official drop notice is issued after one-third of the semester or term, the instructor will record either WP or WF at the end of the period of enrollment.

No withdrawals may be made from individual classes after mid-semester. If a student drops a part of his academic load after nine weeks of the semester or three weeks of the summer term have elapsed, an F or FIW will be recorded for each course dropped. Where a student withdraws regularly from college after nine weeks of the semester or three weeks of the summer term have elapsed, the instructor will record a WP or WF, as the case may be. Such grades will be used as a part of the student's record for the semester in determining his eligibility for enrollment later.

A student who withdraws from the college without formal notice to the Registrar will receive at the end of the semester a grade of "FIW" in each subject for which he is registered.

5. Repeating a course: With the approval of his adviser, a student may repeat a course in which he has received an F or a D. When this is done, both grades will be recorded and used in computing the student's point average.

6. Minimum Residence Requirements for Graduation: For a degree, at least one year's work in residence is required, one semester of which must be in the senior year. A "year of residence" must represent not less than 32 week's work in residence and 32 hours credit. A semester is defined as a minimum of 18 weeks and 16 hours credit.

Exception is made in the case of any student who has completed three years of required work in Fairmont State College and who wishes to complete the senior year by substituting approved credit earned subsequently in a college of medicine, or dentistry.

7. Application for Graduation: Candidates for graduation must make official application for a degree at least 45 days before Commencement Day. Applications will be filed with the Registrar.

8. Assignment and Credits: Regularly enrolled students who desire to complete work at another accredited institution on a transient basis must secure written permission of the Registrar and Director of Admissions to do so. Transient credit completed without permission will not be accepted.

DEAN'S LIST

Students who are registered for twelve or more hours and who at the end of the semester receive grades averaging B or above are considered honor students and a list of such students constitutes what is known as the "Dean's List."

FRESHMAN HONORS LIST

Freshmen at Fairmont State College who earn an average of 3.5 or better on minimum load of 16 semester hours for the first semester of their college enrollment are distinguished by being named on the "Freshman Honors List."

GRADUATION WITH HONORS

Candidates for graduation who have achieved special distinction in academic work are graduated with honors. Honors are determined by the cumulative quality point average of student's work at graduation. Three grades of honors are recognized: **cum laude** for a point average of 3.0 to 3.49; **magna cum laude** for a point average of 3.50 to 3.74; and **summa cum laude** for a point average of 3.75 or better. Averages are based upon the entire academic record of the student, excluding grades earned during the last semester or term.

TRANSCRIPTS

Every student at Fairmont State College is entitled to one official transcript of his record free; for each additional copy a fee of one dollar ($1.00) will be charged. **No student who fails to meet his financial obligations to the College; or any department of the college, will be given a transcript.**

An application for a transcript of credit should furnish the date of last attendance at Fairmont State College, and a married woman should give both her maiden and married names. All requests for transcripts should be sent directly to the Registrar.

AUDITORS

Students who are registered in Fairmont State College may be permitted to attend classes as auditors provided they shall have obtained the written permission of their advisers and of the instructors in the classes they desire to visit. No person who enrolls in any class as an auditor may in the same semester, term or later be considered as enrolled in this class for the purpose of obtaining credit. In no case whatsoever will auditing be regarded as a factor in obtaining credit.

Students eligible to attend classes as auditors may obtain proper permission blanks from the Registrar. Other persons, even if not registered students, may attend classes as auditors upon securing permission from the Registrar and from the instructors involved, upon payment of the regular fee. Auditors are required to complete the regular registration forms.

ATTENDANCE AND ABSENCES

Attendance. A student is expected to attend regularly class and laboratory sessions on courses for which he is registered. Regular attendance is a prerequisite for the successful completion of a course of study and is an integral part of a student's educational experience. Failure to attend class regularly may result in a lowering of the class grade, or may lead to failure in the course.

Absences. In the administration of its attendance policy, the College distinguishes three kinds of absences: (1) An institutional absence results from participation in an activity in which the student officially represents the College. (2) an unavoidable absence results from illness, death in the immediate family, or unnatural cause beyond the control of the student. (3 All other absences are willful.

It is the responsibility of the student to provide his instructor with a satisfactory explanation of institutional or unavoidable absence. Failure to do so automatically makes the absence "willful."

There is no category of "excused" absences, authorized "cuts" or "double cuts."

Responsilbitiy for Class Work. Irrespective of the nature of the absence, a student is responsible for maintaining his personal academic standing.

In the case of institutional and unavoidable absences, an instructor will provide the student an opportunity to make-up work. The student, however, bears the responsibility for making arrangements with each instructor for completing assignments and tests.

In the case of willful absence, an instructor is not responsible for the make-up work.

REPORTS TO STUDENTS

The grades of all students are reported by each faculty member to the Registrar at the middle and end of the semester. Faculty advisors are provided complete grade reports at each reporting period. Students receive grade reports at mid-semester and again at the end of the semester. The grade reports of freshmen earning one or more grades of "D" or lower are forwarded to the parents at mid-semester by the Director of Student Personnel.

SPECIAL EXAMINATIONS FOR COURSE CREDIT

Students may take special examinations to qualify for credit in certain courses. For further information as to the courses covered in this manner, students should contact the Student Personnel Office. All tests are administered by the College Testing Service.

Applications must be made to the Registrar for permission to take a special examination. To qualify for permission to take such an examination, an applicant must be enrolled or must have completed successfully one semester or summer session in Fairmont State College. The applicant must, in addition, establish eligibility in regard to his background in the area concerned. In order to gain college credit by special examination, the student must demonstrate better than average proficiency in the course. Examinations will not be given for courses in which the student has obtained a low grade previously.

Applicants must pay a fee of $3.00 for each special examination, if regularly enrolled at the time of taking the examination; otherwise the fee is $2.50 per semester hour of credit to be received. A receipt for the payment of the fee must be obtained from the cashier's office. No money will be refunded if any examination is failed. No examination may be repeated.

First semester freshmen may establish course credit by examination in the following courses without the payment of special examination fees: English 102—First Year Written and Spoken English—3 hours; French 101 and 102—Elementary French—6 hours; Home Economics 101—Principles of Clothing Construction—2 hours; Home Economics 201—Principles of Food Selection and Preparation—3 hours. An additional condition precedent to the granting of credit is enrollment by the student in the next higher course.

Based on the high school record and performance on the ACT, the Registrar will prepare a list of students who will be eligible to take the final test for credit. The procedure for establishing eligibility to take the examination for credit is as follows:

> **English**—A "B" average in four units of high school English and a percentile score of 75 or above on the English part of the ACT, using college-bound norms.
>
> **French**—A "B" average in two units of high school French and a percentile score of 75 or above on the English part of the ACT, using college-bound norms.

Advance Standing—Students who are majoring in foreign languages will be granted advance standing credit for required lower level courses if they are able to complete higher level courses with grades of "C" or better. For example, a student presenting two or more high school units of French should normally enroll in French 201, Intermediate French. If a grade of "C" or better is earned in French 201, credit is established for French 101 and 102.

The Director of Student Personnel will notify eligible students of the time and place of the advanced placement examinations, to be given during orientation week. Tests will be administered by the Director of Student Personnel.

ENGLISH PERFORMANCE EVALUATION

All students enrolled after June 1, 1962, are to be evaluated for competency in the use of English. The evaluation is as follows:

a. Students who are awarded letter grades of A, B, or C in the course English 208 shall be judged competent in the use of the English language.

b. Students who receive a D in English 208 are required to enroll immediately in English 208R, a remedial English composition course;

c. English 208R shall be taken without credit until the instructor of the course is satisfied that the student is capable of acceptable usage of the English language.

d. After the completion of a semester of English 208R the instructor may at his own discretion submit for evaluation representative essays from any student to a committee of the English faculty appointed by its chairman. This committee, which shall be known as the English Performance Review Board shall be empowered to make recommendations to the instructor with regard to individual cases.

PROBATION AND SUSPENSION

1. If and when a student becomes 10 or more points deficient, he will be placed on probation.

2. If and when a student becomes (or remains) 20 or more points deficient he will be suspended.

3. If a student remains on probation for three consecutive semesters, he will be suspended.

4. To be removed from probation, a student must establish an average of 2.00 in all work attempted.

5. Twelve or more calendar months after his suspension a student may petition for readmission.

6. A student, 20 or more quality points deficient, if conditionally readmitted, must reduce his quality point deficiency by at least 8 quality points per semester or be suspended.

7. Two suspensions from any institution(s) of higher education are final.

8. The status of any student transferring from another institution of higher education will be determined in accordance with the above rules.

COLLEGE FEES

ENROLLMENT FEES:

West Virginia Students:

Tuition (8 hours and above)	$ 25.00
SPECIAL REGISTRATION FEE (12 hours and above)	50.00
Student Activity Fee	14.50
Course Fee	3.00
Student Union Fee	15.00

***Non-Resident Students:**

Tuition (8 hours and above)	$175.00
SPECIAL REGISTRATION FEE (12 hours and above)	125.00
Student Activity Fee	14.50
Course Fee	3.00
Student Union Fee	15.00

Part-Time Fees, West Virginia Students:
Regular Semester (Less than 8 hours):

1 Semester Hour	$ 5.00	plus	$1.00	Course Fee
2 Semester Hours	8.00	plus	1.00	Course Fee
3 Semester Hours	10.00	plus	1.00	Course Fee
4 Semester Hours	13.00	plus	1.00	Course Fee
5 Semester Hours	16.00	plus	1.25	Course Fee
6 Semester Hours	19.00	plus	1.50	Course Fee
7 Semester Hours	22.00	plus	1.75	Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour			

All part-time students must pay a Student Union Fee.
1 to 4 hours inclusive $6.00. 5 to 7 hours inclusive $8.00.

Part-Time Fees, Non Resident Students:
Regular Semester (Less than 8 hours):

1 Semester Hours	$ 15.00	plus	$1.00	Course Fee
2 Semester Hours	30.00	plus	1.00	Course Fee
3 Semester Hours	45.00	plus	1.00	Course Fee
4 Semester Hours	60.00	plus	1.00	Course Fee
5 Semester Hours	75.00	plus	1.25	Course Fee
6 Semester Hours	90.00	plus	1.50	Course Fee
7 Semester Hours	105.00	plus	1.75	Course Fee

SPECIAL REGISTRATION FEE (1 to 11 hours inclusive), $10.00 per credit hour.

All part-time students must pay a Student Union Fee.
1 to 4 hours inclusive $6.00. 5 to 7 hours inclusive $8.00.

STUDENTS CARRYING 8 HOURS AND ABOVE ARE REQUIRED TO PAY THE STUDENT ACTIVITY FEE OF $14.50.

All Day Students ID card fee $1.00.

SUMMER SCHOOL FEES:

West Virginia Students:

Tuition (4 hours and above) one term	$ 15.00
Tuition (4 hours and above) two terms	30.00
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Activity Fee (Payable one term only)	2.00
Course Fee $1.50 (payable each term)	3.00
Student Union Fee (payable one term only)	15.00

Non-Resident Students:

Tuition (4 hours and above) one term	$ 58.00
Tuition (4 hours and above) two terms	116.00
SPECIAL REGISTRATION FEE	$10.00 per credit hour
Student Activity Fee (payable one term only)	2.00
Course Fee $1.50 (payable each term)	3.00
Student Union Fee (payable one term only)	7.50

Part-Time Student Fees, West Virginia Students:

1 Semester Hour	$ 5.00 plus $1.00 Course Fee
2 Semester Hours	10.00 plus 1.00 Course Fee
3 Semester Hours	15.00 plus 1.00 Course Fee
SPECIAL REGISTRATION FEE	$10.00 per credit hour
Student Union Fee (1 to 3 hours inclusive)	8.00

Part-Time Student Fees, Non-Resident Students

1 Semester Hour	$15.00 plus $1.00 Course Fee
2 Semester Hours	30.00 plus 1.00 Course Fee
3 Semester Hours	45.00 plus 1.00 Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Union Fee (1 to 3 hours inclusive)	8.00

AUDITING FEE:

Auditing Fee is the same rate as the Semester Hour Fee.

NON-CREDIT COURSES:

The fee for non-credit courses, institute, conferences, etc., is equivalent to the auditing fee:

a. Minimum enrollment of fifteen:
   1. Equivalent of one semester hour credit, $10.
   2. Equivalent of two semester hours credit, $20.
   3. Equivalent of three semester hours credit, $30.

b. Enrollment of less than fifteen:
   1. Pro-rate increase in fee to equate minimum enrollment.

SPECIAL FEES:

**Chemistry Breakage Fee	$ 5.00

Late Registration Fee.	
1st day	10.00
2nd day	12.00
3rd day	13.00
4th day	14.00
5th day	15.00
Graduation Fee (Inc. cap and gown)	6.00
Freshman Orientation Fee	1.50
Transcript Fee (First Transcript is furnished free)	1.00
Special Examinations for course credit (Regularly enrolled students)	3.00
Special Examinations for course credit (Non-enrolled students) per semester hour	2.50
Non-Enrolled Students	15.00
Special fee for Industrial Arts, per card (Industrial Arts classes requiring basic materials for course instruction shall purchase $5.00 material cards in the Business Office. Some classes may require more than one card to complete the course.)	5.00

* The term "resident" as hereinafter used refers to classification for fees purposes only.

** Assessed each student enrolled for any chemistry laboratory course. Unused portion, if any, will be refunded at end of school year. In event of unusual breakage, an amount to cover same may be assessed.

REGULATIONS GOVERNING CLASSIFICATION OF STUDENTS FOR PURPOSE OF ASSESSING TUITION FEES — REVISED JUNE 11, 1964

The following definitions, general policies, and regulations will apply to non-resident students:

The term "residence" as used herein means "domicile, legal abode, or permanent residence," and the term "resided in" means "domiciled in."

The residence status of a student is determined at the time of his first registration at a state college or university, and his residence is not changed by his attendance as a student at such college or university. This policy shall apply to both graduate and undergraduate students regardless of any scholarships, student assistantships, loans or graduate assistantships that may be granted to any student.

A non-resident student is hereby defined to be a student of less than twenty-one years of age, living away from his family and whose family resides in another state, or whose family has not resided in West Virginia for the twelve months immediately preceding the date of first registration; or a student of twenty-one years of age or over, who resides out of the state or who has not been a resident of the state twelve months subsequent to his twenty-first birthday or for the twelve months immediately preceding the date of first registration.

The legal residence of one who is under twenty-one years of age is that of the father. Upon death of the father, the legal residence of the minor is that of the mother. Upon divorce of the parents, the residence of the minor is determined by the legal residence of the person to whom custody is granted by the court. In absence of any grant of custody, the residence of the father continues to control. Upon death of both parents, the legal residence of the minor continues to be that of the last surviving parent until he becomes twenty-one.

Individuals who have come from without the State of West Virginia and who register in a state college prior to having resided in the state for a period of twelve months shall be classified as non-resident students; and such non-resident student classification shall be presumed to be correct as long as the residence of such individuals in the state is during their attendance at educational institutions, regardless of whether such individuals have become qualified voters, have registered motor vehicles and paid personal property taxes thereon, have obtained West Virginia drivers' licenses, or have otherwise attempted to establish legal residence within the state.

A student under twenty-one years of age shall not be classified as a resident student until his parents shall have maintained legal residence ("domicile") in this state for at least twelve months. A West Virginia student whose parents or guardian move out of the state of West Virginia after his original enrollment, will automatically become liable for the non-resident fee at the next registration period after twelve months following removal of parents or guardian.

Individuals of twenty-one years or age or less whose families have not resided in West Virginia for the twelve months immediately preceding the date of first registration shall be classified as non-resident students regardless of whether such individuals have become the legal wards of residents of West Virginia or have been adopted by residents of West Virginia while such individuals are attending educational institutions in West Virginia or within a year prior to such an attendance or under circumstances indicating that such guardianship or adoption was for the purpose of obtaining status as a resident student.

The residence of a minor student assigned to a guardian shall be considered affected by such assignment, beginning twelve months after the appointment of the guardian; the provisions stated above with respect to parents' residence shall then apply to the guardian's residence.

An alien who has taken out his citizenship papers and has had a home, permanent abode and legal domicile in West Virginia for twelve months immediately preceding the date of his enrollment in a state college shall be regarded as eligible for registration as a West Virginia student.

Persons who are moved into the state as the result of military orders from the government, or the minor children of such persons, are entitled to admission as in-state students beginning twelve months after establishing domicile or abode in the state.

Marriage, alone, to a West Virginia resident will not change the status of a non-resident student in a West Virginia state college. Employment of his spouse does not change his status.

An individual on active Federal military service may be classified as resident for the purpose of payment of fees providing that he resided in West Virginia for a period of twelve months continuously prior to entrance into military service, that he entered the military service from West Virginia, and that he has at no time while in military service claimed, or established, legal residence in any other State of the United States or its possessions. Sworn statements attesting to these conditions shall normally be required. The wife of such individual as described above, and children under the age of twenty-one, shall also be classified as residents of the State of West Virginia for fee purposes.

The student must have the question of his legal residence passed upon previous to registration and payment of fees. The responsibility of registration under proper residence is placed upon the student. If there is a possible question as to residence, the matter should be brought to the attention of the Admissions Officer and passed upon at least two weeks previous to registration and payment of fees. Any student found to have made a false or misleading statement concerning his residence shall be subject to dismissal from the college.

PAYMENT OF TUITION AND FEES:

The regulations of the West Virginia Board of Education provide that "No financial credit of any type shall be extended to any individual either student or other, at any state college or institutiotn. All colleges and institutions shall operate strictly on a cash basis with all payments and obligations being collected in advance. All tuition and fees must be collected in full for each semester on enrollment day for each semester."

REFUND POLICY FOR TUITION AND FEES:

A student who withdraws regularly from the college may arrange for a refund of his fees in accordance with the following schedule. Refunds are determined from the first day of the school term which begins officially with Freshman Orientation Week.

18 Weeks (Semester)	
During first and second weeks	90%
During third and fourth weeks	70%
During fifth and sixth weeks	50%
Beginning with seventh week	No Refund
*5 Weeks (Summer Term)	
During first week	90%
During second week	70%
During third week	50%
Beginning with fourth week	No Refund

RESIDENCE HALL EXPENSES—MEN AND WOMEN

Room Rent (18 Week Semester) $126.00 per semester per person.

Room Rent (Five Week Term) $35.00 per student—occupancy two students per room.

Room Rent (Five Week Term) $40.00 per student—occupancy one student per room.

Board (18 Week Semester) $216.00.

Board (Five Week Term) $46.25

***A three percent Consumers Sales Tax is payable on all Room and Board charges.**

CAMPUS APARTMENTS:

Apartments (per month) $30.00, $35.00, and $40.00 depending on size.

A $25.00 deposit fee is required of all students living in the campus apartments.

Apartment rent must be paid in advance and must be paid no later than the third day of each month.

PAYMENT ON ROOM AND BOARD:

Room Rent (18 weeks semester) must be paid in full on Registration Day.

Board (18 week semester) must be paid in advance either on a semester or a quarterly basis.

Room Rent (5 week term) must be paid in full on Registration Day.

Board (5 week term) must be paid in full on Registration Day.

Board and Room Rates are subject to change.

(All fees are subject to change by action of the West Virginia Board of Education.)

ROOM RESERVATIONS:

New applicants (students not already enrolled) for room reservations in College residence halls must pay a deposit of $40.00 at the time the room application is filed with the College—$20.00 will be held as a breakage fee and is refundable when the student ceases to be a resident, and $20.00 will be applied toward the first month's rent charges.

Notice of cancellation of room reservations must be received by the College by May 1. Otherwise the total amount of $40.00 will be forfeited. (Exception: Should the application be denied by the Director of Admissions, a full refund will be made without regard to dates.)

Not more than ten per cent of available living space in any dormitory may be assigned to out-of-state students.

STANDARDS FOR DORMITORY LIFE:

1. All students not living at home are required to live in residence halls, unless other arrangements are made with the Dean of Men or the Dean of Women.

2. Students already living in dormitories are required to make a deposit of $20.00 to be applied on the first month's room rent at the time the application for a reservation is made for the following year. This deposit shall be forfeited if the applicant does not remain in college and the college notified of a cancellation by June 15.

3. The $20.00 breakage fee shall be carried over to the following year. In the event that breakage or damage charges are made, the student shall pay to the College the amount charged for such purposes prior to July 15 to restore the fee to the $20.00 required for this purpose.

4. All students living in the residence halls must take their meals in the college cafeteria.

5. No evening meal will be served in the college cafeteria on Sunday.

6. Residence halls will be closed during the Thanksgiving, Christmas and Spring recesses.

7. Room rental for a semester must be paid in full on Registration Day.

8. Board must be paid in advance either by the quarter or by the semester.

9. Dormitory residents must furnish curtains, bedspreads, blankets, pillow, wastebasket, and study lamp.

10. All dormitory students must subscribe to a linen service that supplies fresh bed linens and towels weekly.

11. A student who is absent from a residence hall for seven or more consecutive days will not be charged for meals, provided that the Food Director is notified in advance. No deduction in room rent, however, will be allowed regardless of the cause of absence.

12. Students are not permitted to move from the dormitories during the school year except to leave school or move home.

13. If there are no vacancies in the dormitories and a student must live off-campus, such living quarters must be approved by the Dean of Men or the Dean of Women before they may be occupied. A file of approved rooms for rent is maintained in the offices of the Deans.

A student living off-campus must show his correct, complete local address, as well as the name of his landlord, on his schedule cards. This registration of local address must be completed within 24 hours after the student establishes living quarters in the Fairmont area.

Any changes in local addresses made during the school year must be reported to the office of the Dean of Men or Dean of Women immediately.

STUDENT WELFARE

STUDENT PERSONNEL SERVICES

Fairmont State College maintains many services of great value to all students with the aim of assisting each student to adjust to his school environment and get the most from his college experience. A centrally organized student personnel program is provided through the Office of the Director of Student Personnel. The services include freshman orientation; testing, educational, vocational and personal counseling; placement service after graduation; student employment on and off campus; scholarship and loan information; student insurance; and other services pertinent to student welfare in general.

All students enrolled for eight or more hours of credit must have an identification (I.D.) card. This card is used as identification for and admission to school activities. The picture for the card will be taken at the time of preregistration in the summer or in the fall for students who do not pre-register The student pays $1 for the card, which is good for the entire period of attendance. It must be validated in the Office of Student Personnel each semester.

HOUSING FOR MEN

Pence Hall is a new, modern dormitory providing living quarters for 132 men. It is located on the hill above the main portion of the campus, commands a splendid view of much of the campus and surrounding area. The student rooms are furnished with built-in wardrobes, study desks, and shelves for books. Beds, mattresses, and chairs are new. A large and well-appointed lounge is located on the first floor. Parking and recreational facilities are located at the rear of the building.

The College also maintains a limited number of one and two bedroom apartments for married students. These units are partially furnished.

The fees charged for residence in the dormitory are listed on page

HOUSING FOR WOMEN

Two modern, conveniently located dormitories are available for women. Morrow Hall built in 1922 has been thoroughly renovated and refurnished. Two new wings have been added. The new Women's Hall, completed in September 1964, provides the utmost in comfort and convenience for the college woman.

Both dormitories feature built-in wardrobes, study desks and book shelves. Within each residence hall there are facilities which will create a homelike atmosphere. Included are lobbies, lounging and recreational areas, vending machines and coin-operated laundry equipment.

TESTING AND COUNSELING

The Office of Student Personnel provides a testing and counseling service designed to assist students in making more intelligent personal, academic, and vocational choices. Trained personnel are maintained to administer and interpret tests. For the most part students seek this service voluntarily. Special remedial assistance is available to students who are deficient in reading vocabulary, and study habits.

PLACEMENT SERVICE

This service is available to all persons graduating from the college and to those who receive teaching certificates through its recommendation. All seniors are urged to register prior to graduation. Alumni who hold degrees or certificates are welcome to register. Assistance in placement in all fields of employment relative to occupational instruction furnished by Fairmont State College is offered.

FRESHMEN ORIENTATION

Freshmen students arrive on the campus in advance of the upperclass students. During a week's period they become acquainted with the campus, buildings, and equipment, and various student activities. They are given tests which are for the purpose of assisting them in getting properly placed in their college courses and major fields of study. After scheduling classes in consultation with faculty advisers, they become formally registered for their first year of college work. Throughout the orientation period freshmen are assisted and guided by trained student counselors who are sympathetic with their special problems.

ADVISER SYSTEM

Each student is assigned an academic adviser at the time of his first enrollment in Fairmont State College. The student's academic adviser is the chairman or a staff member of the department in which the student has chosen his major field of study.

If the student desires to change his major field of study, he should contact the Student Personnel Director for assignment to the appropriate adviser. Students who are not ready upon entrance to select a major department will be assigned to special advisers by the Student Personnel Director.

It is to his academic adviser that a student will take all problems relating to course requirements, class schedules, pre-registration, and registration.

GENERAL REGULATIONS

Fairmont State College expects its students to observe the standards of good citizenship, both on and off the campus. Regulations of the State Board of Education empower the president and faculty to take such steps as may be needed to enforce these standards.

For Women

1. College women are not permitted to visit men's quarters.
2. A woman student who marries while in college must present legal evidence to the Dean of Women. She is also responsible for seeing that all college registration records bear her legal and accurate name and address. Failure to comply with this regulation may result in suspension.
3. Posing as a single student when there has been a secret marriage is a violation of college policy and is subject to disciplinary action.

Cheating and Thievery

The initial premise in formulating rules to determine the action to be taken in case of cheating and thievery is that the character of the offense should control the punishment. Casual glancing at a neighbor's paper is quite different from pre-arranged collusion whereby one receives notes, signals, or exposed answers from another person. Breaking into an instructor's quarters for any purpose whatsoever is a crime punishable by law. The punishment therefore ought to be in direct relation to the character of the offense. The following rules are formulated with this premise at the basis.

1. A student who is observed to be glancing at his neighbor's paper should be warned by the instructor that these actions are evidence of cheating. Should the student repeat the performance, the instructor should order him to turn in his paper and leave the room. In all cases an "F" should be recorded for the quiz or examination. Should the student repeat this performance at a later period, he should be dismissed from class permanently and an "F" recorded for the semester.
   All such cases should be reported to the Deans of Men and Women promptly. Habitual offenders—those who have been cited for cheating in more than one class—are to be brought before the Disciplinary Committee promptly. The Committee will decide what action should be taken with the understanding that only extenuating circumstances will temper the punishment.
   When the evidence is clear that a student has brought notes to class, has developed a system of signals, or has been in collusion with another in any way, he will be dismissed summarily from class and a grade of "F" recorded. Instructors are reminded that they are responsible for obtaining clear and convincing evidence.

2. Thievery ordinarily is more serious than cheating. Often, however, the two are associated. The stealing of a notebook or textbook for one's own use may be rationalized in various ways. There are some who succumb to this temptation who would not think of taking money, clothes, or other articles. It often happens that a student picks up a book with the intention of returning it shortly. Procrastination produces an extended period of possession in which borrowing becomes stealing. Numerous cases of taking another's book and selling it are known. By no type of reasoning can this be identified as anything other than stealing. The first case calls for tempered action; the second normally should result in expelling the offender promptly.
   Any student who enters the quarters of an instructor and removes examination materials or in any way alters records has committed a flagrant act of cheating. If he should have forced entrance into the quarters, the offense becomes quite serious.
   Unless extraordinary reasons for clemency exist, the offender should be expelled from the College. Indeed, the circumstances may call for legal action. This is certainly true if the removal or destruction of property occurs.

LOAN FUNDS, SCHOLARSHIPS, AND OTHER STUDENT AID

The scholarship and loan funds of Fairmont State College are available to worthy undergraduates who need assistance in meeting their college expenses. All funds are administered by the Scholarship and Loan Committee, unless otherwise indicated. Applications for scholarships and loans should be made to Chairman, Scholarship and Loan Committee.

LOANS

The National Defense Student Loan Program

Students of Fairmont State College are eligible to participate in the National Defense Student Loan Program. The College has received an allocation for use as provided for in the National Defense Education Act of 1958. The Act specifies that "in selection of students to receive loans—special consideration shall be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools, and (b) students whose academic background indicates a superior capacity of preparation in science, mathematics, engineering or a modern foreign language."

Students who need financial assistance in order to enter college should know:

1. A student with a good academic record who shows a need for financial assistance in order to attend college is eligible to apply for a loan.

However, if the requests for loans exceed the grant made to the college, then special consideration will be given to students with superior academic backgrounds who express a desire to teach in elementary or secondary schools and to students whose academic backgrounds indicate superior capacity of preparation in science, mathematics, engineering, or modern foreign language.

2. The amount of the loan will be based on the actual need for basic expenses—tuition, room and board, fees, books, etc.—up to a maximum of $750 per year, the maximum amount for a four year period to be $3000.

3. A National Defense Student Loan bears simple interest upon the unpaid balance at the rate of 3 percent per year. Interest does not commence until one year from the date when the borrower ceases to be a full-time student at an institution of higher education. Furthermore, no interest shall be charged during any period, not in excess of three years, that the borrower is serving as a member of the Armed Forces of the United States.

4. The loan, and interest thereon, of any borrower who serves as a full-time teacher in a public elementary or secondary school shall be cancelled up to a maximum of 50 percent, at the rate of 10 percent of the amount of the loan plus interest thereon, which was unpaid on the first day of such service, for each academic year of service.

5. Promissory notes for minors will be co-signed by parents or guardians.

6. Applications for prospective students should be made well in advance of registration.

For further information and application blanks write:

Chairman, Committee on
Scholarship, Loan, and Student Aid
Fairmont State College
Fairmont, West Virginia

The Claude Worthington Benedum Loan Fund

The Benedum Foundation of Pittsburgh has established a loan fund which permits bona fide residents of West Virginia to borrow a maximum of $300 in any school year. Entering freshmen must have a "B" average in high school. Sophomores, juniors, and seniors must have earned a minimum 2.0 average in their first year at Fairmont State College. The loan must be repaid within three years after the last date on attendance at the college. No interest is charged while the student is enrolled at Fairmont State College. Terms—see item 3 below.

General Loan Fund of Fairmont State College

1. Eligibility—sophomores, juniors, and seniors who have an average grade of 2.0 or better at the time of he loan.

2. Amount—maximum of $300 for one college year; maximum of $900 for three years.

3. Terms—**co-signing** by parents or guardian of the borrower; **repayment** of the loan, with the accrued interest thereon, over a three-year period, beginning one year after the date the borrower is graduated or ceases to be a full-time student. There is no interest during the time the student is enrolled full-time. Four percent interest is charged the first year after graduation, and six percent the last two years.

United Student Aid Program

This loan is provided by a private, non-profit corporation which endorses low cost loans made by local banks to needy college sophomores, juniors, and seniors. A recipient must have an over-all "C" average. The maximum loan is $500 for one school year. A parent or guardian must sign permission for the loan, but assumes no financial responsibility. The college authorizes the loan, which is granted by the home town bank. Full payment of the amount borrowed must be repaid within three years after last date of attendance in monthly installments not to exceed $100 per month. The interest rate is a maximum of 6 percent simple interest beginning at the time the loan is received.

SCHOLARSHIPS

The Claude Worthington Benedum Freshman Scholarship

The Benedum Foundation of Pittsburgh makes an annual grant to the college for the purpose of aiding worthy graduates of West Virginia High Schools to begin a college education. These scholarships, awarded on the basis of grades, activities, character, and financial need, amount to $100 a semester for the freshman year only.

The West Virginia Board of Education Teacher Scholarships

Five West Virginia Board of Education Elementary Teacher Training Scholarships and **five** West Virginia Board of Education Secondary Teacher Training Scholarships are offered to entering students who are residents of West Virginia majoring in elementary or secondary education. Awarded on the basis of grades, aptitude for teaching, personality, economic status, and interest, these scholarships amount to the remission of tuition and fees for four consecutive years following graduation from high school. The recipients must pledge to teach in West Virginia elementary or secondary schools for four years following graduation from college.

The West Virginia Board of Education General Scholarship

1. Eligibility—any regularly enrolled student to be considered on scholastic record, character, and financial need.

2. Amount—tuition and registration fee for one year, with opportunity to re-apply each year if satisfactory grades are maintained. Cash value $75.00 per semester.

Marion County Council of Parents and Teachers Scholarship

This scholarship is awarded to a freshman preparing to teach. It is for the amount of tuition and fees for the freshman year. Only residents of Marion County are eligible for the scholarship.

Elizabeth Bussing Watson Speech Scholarship

This scholarship is established by the family of Elizabeth Bussing Watson who was a teacher of elocution in the Fairmont State Normal School. An award of $50.00 is to be granted annually to a student in the Department of Speech and Dramatics. Need, personal qualities, career-interest and scholastic achievement are the basis of selection—the selection is to be made by the chairman and staff of the Speech and Dramatics Department.

Women's Hospital Association of Fairmont General Hospital Freshman Nursing Scholarship

A tuition scholarship for the four regular semesters awarded to a student who is a resident of Marion County and who is to be enrolled in the Associate in Science Nursing Program at Fairmont State College. The recipient must either rank in the upper one-fourth of his high school graduating class or score in the upper one-fourth, college-bound norms, on the ACT. The recipient is obligated to work as a nurse for two years after graduation at the Fairmont General Hospital or repay the money advanced. Application be made by March 15 and mailed to the chairman of the Scholarship Committee of the college. Application blanks may be obtained by writing the chairman of the Scholarship Committee of the college.

Junior League of Fairmont, Incorporated—Memorial Scholarship-Loan Fund

Realizing the importance of education for the advancement of our community, state and nation, the Junior League of Fairmont established a Scholarship-Loan Fund to provide financial assistance to needy students. The Fund, started in April, 1962, is to be a continuous project of the League. The money is to be used in the manner in which Fairmont State College feels it will best serve the needs of worthy students. The Scholarship and Loan Committees will select the recipients.

WORKING SCHOLARSHIPS

Among the several work scholarships available are:

(1) Assistant to Director of Public Relations, cash value $70 per semester.

(2) Director of Sports Publicity (preparation of sports news), cash value $70 per semester. Those interested must apply in person to the Director of Public Relations.

(3) Editor of **The Columns**, cash value $75 per year.

(4) Business Manager of **The Columns**, cash value $75 per year.

(5) Editor of **The Mound**, cash value $75 per year.

(6) Business Manager of **The Mound**, cash value $75 per year.

PART-TIME EMPLOYMENT

Opportunities are provided for many students who seek financial assistance through part-time employment. A registry of part-time jobs, available both on and off campus, is maintained in the Office of Student Personnel. On the college campus, students find employment in clerical work, library work, assisting instructors, kitchen and dining room work, maintenance, and other similar activities.

The office of Student Personnel assists students in finding part-time employment off campus. Many students work in stores, factories, garages, filling stations, and private homes.

REGULATIONS FOR STUDENT AID AND OTHER EMPLOYMENT

1. Students employed on the student aid basis may not be employed ordinarily for more than sixty-five hours in any one month. In exceptional circumstances, and when approved by the Committee on Student Aid, students may be employed to a maximum of ninety hours per month.

2. Students enrolled for more than six semester hours may not be employed by the College except on a student-aid basis.

3. Full-time employes of the College may not enroll for any academic work other than that obtainable outside of their regular work schedule.

4. The awarding of scholarships, student loans, and student employment, including assistance to athletes, is handled through the Office of Student Personnel. All employed students, including athletes, are required to give full and honest work for pay received.

5. First semester freshmen are not employed on campus nor recommended for employment off campus. The position of the college is that students should not work during the first semester while they are making the adjustment to college life.

STUDENT AUTOMOBILE REGULATIONS

Because of the large number of cars used by students, traffic on the college campus is seriously congested. In the interest of safety and service rigid regulations have become necessary. The administration of these regulations is in the hands of a Traffic Committee. All parking is limited to defined areas, and restricted parking is established in certain areas.

All motor vehicles operated by students must be registered and properly identified by campus registration stickers.

Students failing to comply with this regulation will be considered improperly registered.

Failure to comply with motor traffic regulations will result in the loss of parking privileges. Persistent violators will be subject to temporary or even final suspension from classes.

Each student using an automobile on the campus is expected to be familiar with the traffic regulations.

PHYSICAL EXAMINATION

All students entering Fairmont State College, or who have been absent for two semesters, are required to have a physical examination by their personal physician. The physical examination forms will be sent to the student in time for the student to obtain the physical examination before reporting for Orientation Week. The physical examination form will be filed with the Health Service at Registration.

HEALTH SERVICE

All students entering Fairmont State College are required to have a health examination within two weeks after entrance. Appointments for this examination should be made with the Health Service at the time of registration. Failure to comply with the above regulations on the part of the student will result in suspension until regulations have been met.

A certificate from the Health Service stating that the student has complied with the above regulation must be presented by the student to his supervisor in student teaching before he may be assigned to this training.

A physician and registered nurse are available to examine and advise students in matters pertaining to their health. On school days from 8 a.m. until 4 p.m., the college nurse may be found in her office in the Colebank Gymnasium for first aid and for the treatment of minor ailments of students and faculty. The college physician has regular campus office hours.

Group student hospital insurance is available to all full-time students at a very reasonable price. Each prospective student is mailed information pertaining to this insurance prior to the opening of school in the fall.

All prospective teachers must present a health certificate from the Health Service to the supervisor of student teaching before he may be assigned to this training.

FOOD SERVICE

The College Cafeteria is located in Morrow Hall. Breakfast, lunch, and dinner are served here daily with the exception of an evening meal on Sunday. Menus are carefully planned to provide nutritive diets with an attractive service at a reasonable price.

STUDENT CENTER BUILDING

The Student Center is a modern, spacious building centrally located on the campus.

On the ground floor, a large area has been finished for the Book Store and recreational purposes. The campus snack bar is located on the second floor, providing fountain service, soft drinks, coffee, cigarettes and confections. The center business offices for staff members is on this floor. The top floor contains the ballroom floor with facilities for such events as teas and receptions.

All facilities of the Student Center are available to student groups for meeetings, parties, dances and other social affairs. Always before facilities have been much too small and crowded for the day by day activities of a growing student body. For the present, the new Student Union Building will afford ample campus recreational facilities.

BOOKS AND SUPPLIES

A modern college bookstore is maintained in the Student Center for the convenience of students. Here textbooks and school supplies of all kinds may be purchased.

REQUIREMENTS FOR BACHELOR OF ARTS AND SCIENCE

The courses required in the several departments leading to the Bachelor of Arts or Bachelor of Science degrees may be conveniently described in four categories, viz., General Requirements, Majors, Minors, and Electives. General requirements include those courses required of all students with regard to the area of concentration. A major is defined as the area of greatest concentration, or, more specifically, as the department in which the most credit is earned. A minor is the area of second greatest concentration, or in other words, the department second to the major in the amount of credit earned. Electives are those courses not included in the other categories.

Degrees are offered by departments as follows:

Bachelor of Arts Degree

- Art
- English
- History
- French
- Home Economics
- Mathematics
- Music
- Philosophy and Psychology
- Sociology
- Speech and Dramatics

Bachelor of Science Degree

- Biology
- Business Administration
- Chemistry
- Home Economics
- Industrial Arts
- Mathematics
- Physical Education
- Recreation
- Secretarial Studies

All degrees granted by Fairmont State College have the same minimum requirements with regard to semester hours credit and quality point average. The minimum credit is 128 semester hours with an average of 2.0 quality points per semester hour for a course entered on the student's permanent record card. The credit varies among departments, but in all cases the quality point average for a major or minor must be 2.0 or better. **It is also a requirement for any degree granted by this college that the mean of the quality point averages for all courses not included in the major or minor fields be 2.0 or better.** Moreover, all candidates for a Bachelor of Arts or Bachelor of Science degree must have both a major and a minor.

Courses taken to satisfy the general requirements, or their equivalents, will be included in the major or minor. Thus, a major student in English would count the general requirements in composition and literature as part of his major work.

Twelve hours of one foreign language is a general requirement for the Bachelor of Arts degree for those who entered college for the first time in September, 1955 or later. Three hours of this requirement may be waived for each unit of the language presented as entrance credit, provided that the student is competent to continue the study of the language at the appropriate college level.

A student pursuing courses leading to the degrees of Bachelor of Arts and Bachelor of Science, who also meets state certification requirements in two or more teaching fields and in the professional courses, will be recommended for a professional (first class) teaching certificate in the areas in which he may be qualified. These persons are warned, however, that the requirements for

the Bachelor of Arts and Bachelor of Science degrees differ considerably from those of the Bachelor of Arts in Education Degree. The Bachelor of Arts in Education degree automatically qualifies the student for a professional (first class) certificate. The other degrees do not.

It is the responsibility of the student to know and meet all requirements. The catalog is published for the primary purpose of providing students with a source book of information pertaining to the College resources and requirements. Additional information or clarification of the statements in the catalog may be obtained from the advisor or the Registrar.

GENERAL STUDIES REQUIREMENTS FOR THE BACHELOR OF ARTS AND THE BACHELOR OF SCIENCE DEGREES

Required Areas	Cat. No.	Sem. Hours
THE HUMANITIES		
English Language		
Written English	102, 104, 208	9
Spoken English	Sp. 101	3
Literature		
English Literature	251 or 252	3
American Literature	261 or 262	3
Art Appreciation	255	2
Music Appreciation	205	2
**Language		
French or German	101, 102, 201, 202	12
SCIENCE & MATHEMATICS		
***Biology or Physical Science	101, 102 or 201, 202	6
Mathematics	110 or higher	3
THE SOCIAL STUDIES		
Sociology	210	3
Economics	201	3
Political Science	103	3
History	207 or 208	3
	111, 112	6
PHYSICAL EDUCATION		
Women	Selected from pg. 53	2
Men	115, 116	
PSYCHOLOGY	103	3

**Required of all candidates for the Bachelor of Arts degree.

***Not required of Physical science majors or those who have credit in college physics and chemistry. No credit is allowed in General Physical Science if credit is earned in physics and/or chemistry.

SPECIFIC REQUIREMENTS IN ALL MAJOR FIELDS

ART

MAJOR		36 Sem. Hrs.
History of Art		8
255 History and Appreciation of Art	2	

278 Ancient and Medieval Art	3	
377 Italian and Northern Renaissance Art	3	
378 Nineteenth Century and Contemporary Art	3	
Studio Work (one major area in Art)		12

Ceramics and Sculpture

283 Modeling and Sculpture	3
284 Modeling and Sculpture	3
383 Ceramics	3
384 Ceramics	3
483 Advanced Sculpture	2
484 Advanced Sculpture	2

Design

✓140 Art Structure and Applied Design	3
✓141 Art Structure and Applied Design	3
392 Textile Design	3
491 Interior Design	3

Drawing

✓142 Drawing	2
241 Drawing from Life	2
242 Drawing and Painting from Life	3

Painting

361 Painting in Oil	3	
362 Painting in Oil	3	
363 Painting in Watercolor	3	
364 Painting in Watercolor	3	
461 Advanced Painting in Oil	3	
463 Painting in any Medium	3	
Studio Work (Selected from two or more major areas: see courses listed above under Ceramics and Sculpture, Design, Drawing, and Painting).		16

MINOR IN ART		24 Sem. Hrs.
History of Art Courses (See Above)	5	
Studio Work Courses (See Above)	19	

BIOLOGY

MAJOR

Required courses in Biological Science		30 Sem. Hrs.
Biology 101, 102, Introduction to Biology	6	
A minimum of 6 hours from each group is required		
Group A: Botany		6
Biology 201, General Botany	4	
330, Field Botany	3	
340, The Plant Kingdom	3	
341, The Plant Kingdom	3	
451, Plant Physiology	3	

Group B: Zoology		6
Biology 315, Field Zoology	3	
320, Invertebrate Zoology	4	
321, Vertebrate Zoology	4	
350, Comp. Anatomy of Vertebrates	4	
Electives in Biological Science		12
Required related courses		
Chemistry 101, 102, General Chemistry		8 Sem. Hrs.
Physics 101, 102		8 Sem. Hrs.
Mathematics 110 or higher		6 Sem. Hrs.

MINOR	24 Sem. Hrs.
Required courses in Biological Science Same as Major	18
Electives in Biological Science	6
Required related courses	
Chemistry 101, 102, General Chemistry	8
Physics 101, 102	8
Mathematics 110 or higher	6

BUSINESS ADMINISTRATION

MAJOR 39 Sem. Hrs.

Required Courses

Business	201, 202	Principles of Accounting	6
	304	Principles of Marketing	3
	306, 307	Business Law	6
	308	Personnel Management	3
	309	Indus. Organization and Man.	3
	310	Business Statistics	3
	401	Business Finance	3
Economics	201, 202	Econ. Principles and Problems	6
	303	Money, Credit, and Banking	3
	405	Managerial Economics	3

MINOR: Business Administration 18 Sem. Hrs.

Business 201, 202, 304, 401, or 309
Economics 201, 202

MINOR: Economics 18 Sem. Hrs.

Business 304, 310
Economics 201, 202, 303, 405

CHEMISTRY

MAJOR

Required courses 36 Sem. Hrs.

Chemistry	101, 102,	General Chemistry	8
	201, 202	Qualitative Quantitative Analysis	8

301, 302 Organic Chemistry	8		
350 Instrumental Analysis	4		
405, 406 Physical Chemistry	8		
Related Courses		8	
Physics 101, 102, Introduction to Physics	8		
Language		12	
French 101, 104 or	6		
German 101, 102			
French 201, 202 or	6		
German 201, 202			
Mathematics through Integral Calculus		8-15	
MINOR			24 Sem. Hrs.
Required courses			
Chemistry 101, 102 General Chemistry	8		
201, 202 Qualitative, Quantitative Analysis	8		
301, 302 Organic Chemistry or 405, 406 Physical Chemistry	8		

ENGLISH

MAJOR		36 Sem. Hrs.
Required Courses, Studies and Practice in the English Language 102, 104, 208, 321	12	
Required Courses, Literature 251, 252, 261, 262	12	
Electives, Literature 311, 312, 313, 314, 318, 322, 341, 342, 343, 345, 348, 353, 360, 371, 420	4-8	
Electives, Literature and Language, Group II 302, 306, 317, 413	3	
Foreign Language One selected from French or German		12 Sem. Hrs.
MINOR		30 Sem. Hrs.
Required Courses, Studies and Practice in the English Language 102, 104, 208	9	
Required Courses, Literature 251, 252, 261, 262	12	
Electives, Literature and Language Choice may be made from groups as listed in the major.	9	

FRENCH

MAJOR 30 Sem. Hrs.

Required Courses 15

101, 102	Elementary French or equivalent	6
*201, 202	Second Year French	6
308	French Conversation	3

Electives 15

210	Masterpieces of French Literature	3
301	Literature of the 17th Century	3
302	Literature of the 18th Century	3
309	Adv. Grammar and Comp.	3
421	Literature of the 19th Century	3
422	Literature of the 19th Century	3
431	French Civilization and Culture	3
321	Contemporary Literature	3

*French 210 May be substituted for French 201 or 202.

MINOR 24 Sem. Hrs.

Required Courses 15

101, 102, 201, 202, 308

Electives 9

To be selected from electives for majors.

HISTORY

MAJOR 30 Sem. Hrs.

Required courses

111, 112	History of Civilization	6
207, 208	United States History	6
470	Seminar	3

The remaining 18 semester hours in history are to be elected with the advisor's approval, but the student must take at least one course from each of the three groups listed below. History majors may not apply 431, Special Methods, toward the 30 hours requirement.

GROUP I

312	Diplomatic History of the United States	3
315	Colonial America	3
317	Civil War and Reconstruction	3
320	American Economic History	3
370	American Intellectual History	3
410	Recent America	3

GROUP II

310	History of England	3
330	Europe from 1300 to 1763	3
331	Europe from 1763 to 1850	3
340	Europe from 1850 to 1919	3
341	Europe from 1919 to the Present	3
360	European Intellectual History	3

GROUP III

350 Latin America: The Colonial Period	3
351 Latin America: The National Period	3
421 History of Russia	3
422 History of the Far East	3
423 History of Southeast Asia	2

MINOR 18 Sem. Hrs.

Required courses	
111, 112 History of Civilization	6
207, 208 United States History	6
Electives	
Any other history courses except 431	6
	18

HOME ECONOMICS

MAJOR BS Degree—35 Sem. Hrs.

Required	BS
101 Principles of Clothing Construction	2
102 Advanced Clothing Selection	3
103 Principles of Clothing Selection	2
201 Principles of Food Selection and Preparation	3
202 Advanced Foods	3
210 Textiles	3
303 Nutrition	3
310 Family Life Education	3
312 Consumer Education	3
315 Home Management	3
320 Home Plan. and Furnishing	4
330 Child Care and Develop	3
351 Home Arts	
Language—Modern Foreign	6
Other Fields Botany, or Zoology, or Gen. Chemistry	12

MINOR 24 Sem. Hrs.

Same requirements as listed under Home Economics Subject Specialization for grades 5 through 9.

MATHEMATICS

MAJOR* 31 Sem. Hrs.

Required Courses		25
115 Intermediate Mathematics II	4	

116	Calculus I	4
215	Calculus II	4
216	Calculus III	4
361	Abstract Algebra	3
391	Introduction to Analysis	3
401	Differential Equations	3

Electives in Math 6
(To be selected by student and advisor)

Language: French or German 12

Minor in Mathematics 25

Required Courses
115, 116, 215, 216, 361, 391, 401

*It is expected that students will present a minimum of four units of high school mathematics including two units of algebra, one unit of integrated geometry (or equivalent), and a fourth unit requiring algebra and geometry as prerequisites. Students who present less than this expected preparation may be required to complete appropriate courses from Math 109, 111, 112, in addition to the above requirements.

INDUSTRIAL-TECHNICAL EDUCATION

Foundation courses required of all candidates for the B. S. degree in Industrial—Technical Education specializing in construction, drafting, industrial, mechanical, or other technologies.

FOUNDATION COURSES 29 Sem. Hrs.

I. E.	101	Basic Electricity I	2
	102	Basic Electricity II	2
	110	Basic Electronics I	2
	111	Basic Electronics II	2
	120	Graphics I	2
	220	Graphics II	2
	170	Statics	3
	270	Strength of Materials I	2
	271	Strength of Materials II	2
	180	Materials & Processes of Industry	2
	190	Industrial Orientation	0
	191	Personnel Prob. & Labor Rel.	2
Bus.	227	Industrial Organization	3
	327	Accounting for the Technician	3

Students pursuing a major in Industrial-Technical Education will be required to take the following courses or equivalents:

22 Sem. Hrs.

Math.	111	Intermediate Algebra or	6
	112	Intermediate Mathematics I or	
	115	Intermediate Mathematics II	
Chem.	101-102	General Chemistry	8
Phy.	101-102	Introduction to Physics	8

Twenty semester hours of credit in any one of the following groups, in addition to the foundation courses, will constitute a major unit of work in the respective area of specialization.

CONSTRUCTION TECHNOLOGY SPECIALIZATION 20 Sem. Hrs.

I. E.	122-222	Architectural Drafting	2-2
	160-260	Basic Woodworking	2-2
	321-322	Structural Drafting	2-2
	366-466	Construction Lab.	2-2
	372	Surveying	2
	373	Computing & Estimating	2
	375	Plumbing & Sanitation	2
	376	Heating & Air Conditioning	2
	392	Blueprint Reading	2-3
	473	Contracts & Specifications	2
	474	Codes & Practices	2

DRAFTING TECHNOLOGY SPECIALIZATION 20 Sem. Hrs.

I. E.	122-222-422	Architectural Drafting	2-2-2
	123	Machine Design	2
	221	Graphic Illustration	2
	223	Jig & Fixture Design	2
	320-420	Drafting Room Techniques	2-2
	321-322	Structural Drafting	2-2
	323-423	Electrical & Electronic Drafting	2-2
	392	Blueprint Reading	2-3
	421	Drafting, Planning & Scheduling	2

INDUSTRIAL TECHNOLOGY SPECIALIZATION 20 Sem. Hrs.

I. E.	167-267	Machine Shop	2-2
	192	Personnel Administration	2
	221	Graphic Illustration	2
	315	Controls & Instrumentation	2
	370-470	Manufacturing Processes	2-2
	377	Time & Motion Study	2
	378	Plant Layout & Mat. Handling	2
	379	Statistical Quality Control	2
	392	Blueprint Reading	2-3
	415	Electrical Maintenance	2
	477	Industrial Management	2
	478	Production Controls	2

MECHANICAL TECHNOLOGY SPECIALIZATION 20 Sem. Hrs.

I. E.	123	Machine Design	2
	161-261	Acetylene Welding I & II	2-2
	162-262	Electric (Arc) Welding I & II	2-2
	167-267	Machine Shop I & II	2-2
	204	Electrical Machinery D.C.	2
	205	Electrical Machinery A.C.	2
	223	Jig & Fixture Design	2
	245	Hydraulics	2
	315	Controls & Instrumentation	2
	316-317	Electronics III & IV	2-2
	345	Pneumatics	2
	360	Metallurgy	2
	370-470	Manufacturing Processes	2-2
	392	Blueprint Reading	2-3
	371	Thermodynamics	3
	445	Fluid Mechanics	2

APPROVED ELECTIVES 12 Sem. Hrs.

*COOPERATIVE WORK STUDY 12 Sem. Hrs.

I. E.	492	Work Study Seminar	4
	493	Work Study Laboratory	8

*Cooperative work study program may be waived for students who are employed full or part time if such employment is approved by the Director of Technical Education.

MUSIC

MAJOR

Required Courses			48 Sem. Hrs.
Theory		12	
109-110 Theory	8		
209 - Theory	4		
Applied Music		10	
107 Piano	4		
141 Voice	2		
*211-217 Orchestral Instruments	4		
Appreciation		8	
205 Music in Human Relations	2		
313 History	3		
314 History	3		
Conducting		4	
345 Choral Conducting	2		
346 Instrumental Conducting	2		
Participation		8	
169 Band	1-4		
173 College Chorus	1-4		
275 Advanced Instrumental Ensemble	1-4		
277 Advanced Vocal Ensemble	1-4		

MINOR 26 Sem. Hrs.

Theory: 109, 110	8
Appreciation: 205	2
Applied Music	8
107 (Min. 3)	
141 (Min. 1)	
211-217 (Min. 3)	
Conducting: 345, 346	4
Participation (See Courses Above)	4

*Advanced work on organ or a special orchestral instrument may be done to satisfy the 4 hours required in this group.

PSYCHOLOGY

MAJOR 27 Sem. Hrs.

Required Courses

103 General Psychology	3
250 Experimental Psychology	3
300 Psychology of Personal Adjustment	3
325 Abnormal Psychology	3
350 Statistics	3
375 Physiological Psychology	3
400 Psychometrics	3

425 Clinical Psychology	3
460 Seminar	3

MINOR 12 Sem. Hrs.

Required Courses

103, 250, 350 plus one elective course in Psychology

PHYSICAL EDUCATION

The requirements for the Bachelor of Science degree in Physical Education under the requirements for Bachelor of Arts in Education degree.

POLITICAL SCIENCE

MINOR 15 Sem. Hrs.

Required Courses

103 American National Government	3

Electives

Any other Political Science courses	12

PHYSICS

MINOR 22-25 Sem. Hrs.

Required Courses

Physics 101, 103 or 210, 211, 201, 310, 320, 321, 340, or 420, 421

Mathematics 112, 115, 116

RECREATION

MAJOR 44 Sem. Hrs.

Professional Recreation		12
281 History and Principles of Recreation	3	
282 Community and Industrial Recreation	3	
384 Camping and Youth Organizations	3	
385 Recreational Leadership	3	
386 Recreational Field Work and Inspection Trips	3	
487 Organization and Administration of Recreation	3	
Health and Safety		12
100 Personal Health	3	
101 First Aid	3	
202 Community Health	3	
203 Safety	3	
310 School Health Problems	3	
Activities and Sports		12
Twelve semester hours—to be selected by advisor		
Rhythms and Creative Arts		8
146 Social Dancing	1	
148 Modern Dance	1	
247 Folk and Square Dance	2	
186 Recreational Crafts (I.E.)	2	
286 Crafts (I.E.)	2	
151 Play Production (Speech)	2	
152-452 Theatre Workshop (Speech)	2	
240 Reporting (Journalism)	3	

SECRETARIAL STUDIES

MAJOR

Required Courses 31 Sem. Hrs.

102	Intermediate Typewriting	2
211	Advanced Typewriting	2
251	Business Correspondence	2
301, 302	Advanced Shorthand and Transcription	8
303	Principles and Practices of Filing	2
311	Office Machines	2
314	Dictation and Transcription	2
351	Secretarial Office Practice	3
201, 202	Principles of Accounting	6
Home Ec 103	Principles of Clothing Selection	2

MINOR

Required Courses 21 Sem. Hrs.

101, 102	Beginning and Intermediate Typewriting or	
211	Advanced Typewriting	4
201, 202	Beginning Shorthand	8
301	Advanced Shorthand	4
311	Office Machines	2
201	Principles of Accounting	3

SOCIOLOGY

MAJOR 24 Sem. Hrs.

Required Courses 12

210	Introductory Sociology	3
301	Anthropology	3
310	Marriage and the Family	3
403	Social Psychology	3

Electives 12

Selected from the offerings of the Department of Sociology with the Advisor's approval.

MINOR 18 Sem. Hrs.

Required Courses 9

210	Introductory Sociology	3
301	Anthropology	3
403	Social Psychology	3

Electives 9

Selected from the offerings of the Department of Sociology with the Advisor's approval.

SPEECH AND DRAMATICS

MAJOR 30 Sem. Hrs.

Required Courses 23

101	Fundamentals of Speech	3
105	Voice and Diction	3

151	Play Production	2
221	Oral Interpretation	2
237	Effective Speaking	2
243	Debate	2
245	Oratory	1
330	Fund. of Radio and T.V.	2
336	Play Directing	2
336L	Play Directing Lab.	1
430	Speech Correction	3

Electives 7

MINOR 24 Sem. Hrs.

Required Courses:

Same as required courses for the major with one hour of elective in the field.

SPECIAL CURRICULA

PRE-PROFESSIONAL CURRICULA

The courses outlined below are organized to meet the needs of those students who plan to continue their work in some professional school after one or two years as a student in Fairmont. Since most of this work is basic in character it may be used in meeting the requirements for graduation from Fairmont State College.

Pre-professional work is offered in the following fields:

- Dentistry
- Law
- Medicine
- Medical Technology
- Pharmacy
- Social Work

An outline of the courses to be included in the pre-professional curricula listed above is outlined below for the use of students and advisors. Since the majority of students doing such work will later enter the professional schools at West Virginia University, the courses have been prepared with the idea of meeting the requirements laid down by University authorities for their own pre-professional students. Students expecting to enroll in other professional schools should procure a catalogue from the school they expect to enter with advanced standing so that the course taken here will meet the requirements they need to meet. The pre-professional field advisor will assist students in making all necessary adjustments.

The arrangement of courses of the pre-professional curricula by years may have to be varied somewhat to meet schedule situations and the interests of students. The pre-professional advisors should, however be consulted as regards any such changes before they are made.

PRE-DENTAL CURRICULUM

Students enrolled in pre-dentistry should plan their programs in relation to the requirements of specific college of dentistry, for the entrance requirements differ somewhat among various colleges. They should obtain a catalog from the school of their choice, and use it as a guide in selecting their courses in Fairmont. Only students with a B average, or higher will be urged to continue dental training.

A recommended schedule for a two-year pre-dental course in Fairmont State College follows:

	First Year		Second Year	
Course	Hrs.	Hrs.	Hrs.	Hrs.
English 102, 104	3	3		
Chemistry 101, 102	4	4		
French 101, 102	3	3		
French 201, 202			3	3
Biology 101, 102	3	3		
Biology* 220, 221			4	4
Physics 101, 103			4	4
Chemistry 301, 303			4	4
Psychology 103	3			
Electives (Composition, Literature or Sociology)		3	2	2

*Some dental schools specifically require zoology. In most instances, biology or zoology courses will meet requirements. There normally should be an opportunity to include 3-4 hours of elective courses in the first year.

PRE-LAW CURRICULUM

Fairmont State College no longer offers a distinct Pre-Law curriculum, for the policy of law schools generally is to admit only those applicants who have been graduated with at least a bachelor's degree. Narrow curricula are no longer specified. Students, therefore, who are working toward entrance to law school should consult with the Pre-Law advisor and follow his recommendations.

PRE-MEDICAL CURRICULUM

Students planning to study medicine will find ample opportunity to prepare for this profession at Fairmont State College. Courses in the physical and biological sciences are adequate to meet the requirements of any medical college. The pre-medical student, however, should understand that medical colleges do not regard the basic sciences as the only important area in the preparatory program for the profession. Indeed the trend is definitely to favor general education over a narrow, specialized science concentration. The pre-medical curriculum at Fairmont has been developed in consideration of this trend.

Most medical colleges expect or require applicants to be graduates of a four-year college, but some students may be admitted upon completion of a three-year curriculum. Graduates of Fairmont who have completed the pre-medical curriculum with good marks are readily accepted by several outstanding medical colleges. One should know however that mediocre work is not a recommendation for entrance to any professional school. Consequently, only the better students can be confident of admission to a medical college.

SUGGESTED SCHEDULE

First Year

Eng.	102, 104	First Year Wr. & Spkn. Eng.	6 Hrs.
Hist.	111, 112	History of Civilizations	6 Hrs.
Chem.	101, 102	General Chemistry	8 Hrs.
Math	112, 115	Int. Math I and II	6 Hrs.
P. Ed.	115, 116	Freshman Orientation	2 Hrs.
Biol.	101, 102	Introduction to Biology	6 Hrs.

Second Year

Eng.	251 or 252: 261 or 262	Eng. and Am. Lit.	6 Hrs.
Soc.	201, 202	Fundamental Social Problems	6 Hrs.
Chem.	201, 202	Qual. and Quan. Anaylsis	8 Hrs.
Phys	101, 102	Introduction to Physics	8 Hrs.
Fr.	101, 102	Elementary French	6 Hrs.

Third Year

Art.	225	Hist. and App. of Art	2 Hrs.
Chem.	301, 302	Organic Chemistry	8 Hrs.
Fr.	201, 202	Second Yr. French	6 Hrs.
Sp.	101	Fundamentals of Speech	3 Hrs.
Biol.	321, 350	Vertebrate Zoo. and Comp. Anat.	8 Hrs.
Mus.	250	Music in Human Relations	2 Hrs.
Hist.	207 or 208	American History	3 Hrs.
Psy.	103	General Psycology	3 Hrs.
Chem.	405	Physical Chem.	4 Hrs.
Electives			30 Hrs.

PRE-PHARMACY CURRICULA

National requirements for the study of pharmacy require five years of study beyond high school. The curriculum requires the completion of two years of pre-pharmacy and three years of study and training in a professional school of pharmacy. Prospective pharmacy students should, of course, plan their programs in such a manner as to insure meeting requirements of the particular professional school of pharmacy to which they wish to transfer. The following two-year preparatory program is suggested.

Course	First Year Hrs.	Year Hrs.	Second Year Hrs.	Year Hrs.
English 102, 104	3	3		
Chemistry 101, 102	4	4		
Biology 101, 102	3	3		
Math 112	3			
P. Ed. 101, 102(W) or 115, 116(M)	1	1		
Math 115		3		
Electives		2		
Economics 201			3	
Physics 101, 102			4	4
Chemistry 202				4
Botany 201			4	
Chemistry 301, 302			4	4
Electives			2	4

PRE-MEDICAL TECHNOLOGY CURRICULUM

Any student interested in the Pre-Medical Technology Curriculum should understand that fulfilling the requirements of a two-year program calls for careful planning. Moreover, this curriculum is only preparatory for further work in some institution—hospital or university—accredited for training medical technologists. The student, therefore, should place his program not only for the two-year curriculum at Fairmont State College but also for curriculum at a school of medical technology.

To be admitted to the curriculum at this college, the student must be a graduate of an accredited four-year high school and must present a minimum of one unit credit in algebra and one unit in plane geometry as a part of the entrance requirements. The college work shall include credit as follows:

English. 12 semesters—6 hours of composition and 6 hours of literature.

French. 12 semester hours.

Biological Science. 8 semester hours in general biology and zoology.

Chemistry. 20 semester hours—8 hours in inorganic, 4 hours in quantitative analysis, and 8 hours in organic.

Physics. 8 semester hours.

Physical Education. 2 semester hours.

Electives. 6 semester hours from English, History, Political Science, Sociology, and Geography.

PRE-SOCIAL WORK CURRICULUM

The pre-professional curriculum in Social Work is designed to meet the needs of the students who plan to enter the School of Social Work at West Virginia University, or other approved schools of social work. Professional education for the many positions available for professional social workers is on a graduate basis in all accredited schools of social work. The undergraduate

program, which may be obtained completely at Fairmont State College, includes broad and intensive preparation in the social sciences and related fields.

Students who choose this course must satisfy all the requirements prescribed for the Bachelor of Arts. They should elect their major in sociology, or social science and meet the requirements set up for majors of those fields. The program for this curriculum should be planned in consultation with the chairman of the Department of Sociology.

TWO-YEAR CURRICULA

Fairmont State College now offers several special curricula each of which require completion of 64-77 semester hours with a **quality point average of 2.0 or better.** These curricula are now available in the following areas:

Accountancy
Clerical
General Education
Nursing Education—C average in Nursing Courses—Required
Secretarial
Technical Education

The purpose of these curricula is to provide desirable vocational training for those persons who are unable to complete an entire four-year course without interruption, and for those persons who desire some college training organized with a definite objective in mind to contrast to a more or less random selection of courses. These curricula are organized in such a manner as to be complete within themselves, while, at the same time, they will serve as preparation for the more intensive and richer four-year courses. The quality of the instruction offered will be identical with that in the four-year courses.

Fairmont State College is authorized by the State Board of Education to issue the certificate of Associate in Arts or Associate in Science upon the successful completion of any of these special two-year curricula. The student, of course, may choose not to complete all the requirements of a special curriculum and continue work toward a baccalaureate degree instead. **A 2.0 average for all courses attempted and for those in area of specialization is required.**

ACCOUNTING CURRICULUM 67 Sem. Hrs.

Required Courses

Bus.	141	Business Mathematics	3
Bus.	201, 202	Principles of Accounting	6
Bus.	301, 302	Advanced Accounting	6
Bus.	306	Business Law	3
Bus.	406, 407	Income Tax, Indiv. & Corporate	6
Econ.	201, 202	Principles and Problems	6
Eng.	102, 104	First Yr. Wr. & Spoken Eng.	6
Sec. St.	101, 102	Begin Typewriting and Intermediate Typewriting, or Advanced Typewriting	4
Psy.	103	General Psychology	3
Speech	101	Fundamentals of Speech or Speech Improvement	3
Electives			21

SECRETARIAL CURRICULA

64 Sem. Hrs.

Two Years

Required Courses

Bus.	102	Introduction to Business	3
Bus.	141	Business Mathematics	3
Eng.	102, 104	First Year Wr. & Spkn. Eng.	6
Sec. St.	101, 102	Begin. & Intermed. Typewriting	4
Sec. St.	104	Secretarial Accounting	3
Sec. St.	201, 202	Begin. Shorthand	8
Sec. St.	211	Advanced Typewriting	2
Sec. St.	251	Business Correspondence	2
Sec. St.	301, 302	Adv. Shorthand & Transcript	8
Sec. St.	303	Principles & Practices of Filing	2
Sec. St.	311	Office Machines	2
Sec. St.	314	Dictation and Transcription	2
Sec. St.	351	Sec. Office Practice	3
Psy.	103	General Psychology	3
Home Ec.	103	Principles of Clothing Selection	2
Speech	101 or	Fundamentals of Speech	3
	107	Speech Improvement	2
Electives			6

CLERICAL CURRICULA

65 Sem. Hrs.

Two Years

Required Courses

Bus.	102	Principles of Business	3
Bus.	141	Business Mathematics	3
Bus.	201, 202	Principles of Accounting	6
Eng.	102, 104	First Year Wr. & Spkn. Eng.	6
Sec. St.	101, 102	Begin. & Intermed. Typewriting	4
Sec. St.	211	Advanced Typewriting	2
Sec. St.	251	Business Correspondence	2
Sec. St.	303	Principles & Practices of Filing	2
Sec. St.	311	Office Machines	2
Sec. St.	351	Sec. Office Practice	3
Psy.	103	General Psychology	3
Home Ec.	103	Principles of Clothing Selection	2
Speech	101 or	Fundamentals of Speech	3
Speech	107	Speech Improvements	2
Electives			22

GENERAL EDUCATION CURRLCULUM

First Year

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Eng. 102, First Year Written and Spoken English	3	Eng. 104, First Year Written and Spoken English	3
Biol. 101, Intro. to Biol. or Phy. Sci. 201, Gen. Phy. Sci.	3	Biol. 102, Intro. to Biol. or Phy. Sci. 202, Gen. Phy. Sci.	3
Hist. 111, Hist. of Civilizations	3	Hist. 112, Hist. of Civilizations	3
Speech 101, Fund. of Speech	3	Phil. 200, Intro. to Phil	3
P.E. 101, or 115, Fr. Orientation	1	P.E. 111, or 116, Fr. Orientation	1
Electives	3-4	Electives	3-4
	16-17		16-17

Second Year

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Eng. 251 or 252, Survey of English Literature	3	Eng. 261 or 262, Survey or American Literature	3
Soc. 210, Intro. Soc.	3	Ec. 201, Ec. Prin. & Problems	3
Psy. 103, Gen. Psychology	3	Music 205, Music in Hum. Relations	2
Art 255, Hist. & App. of Art	2	Electives	8-9
Electives	5-6		
	16-17		16-17

NURSING EDUCATION

Students in the first class of the Associate Degree Nursing Program of Fairmont State College enrolled in September of 1964. The program is two academic years and one six-week summer session in length.

The purpose of the program is the development of the individual as a person, a citizen and as a beginning practitioner of nursing at the bedside level. A balance of general education and specialized education makes up the curriculum. The graduates are eligible to take the West Virginia state board examination for licensure as a registered nurse.

Community agencies are used for selected learning experiences. Those included are hospitals, clinics, schools, homes for the aged and the state mental institution.

A 2.0 quality point average is required in each nursing course to continue in the program.

THE TUITION FEES

The tuition fees required for the nursing students are the same as those required of all students in the college. Additional cost to nursing students will include uniforms, special equipment, special achievement examinations, cost of living while affiliating at a state hospital during the summer session.

NURSING EDUCATION CURRICULUM

First Year

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Eng. 102, Written and Spoken	3	Eng. 104, Written and Spoken	3
Phy. Sci. 201, Gen. Physical Sci.	3	Phy. Sci. 202, Gen. Physical Sci.	3
Biol. 101, Intro. to Biology	3	Psych. 103, Gen. Psych.	3
Nsg. 101, Funda. of Nursing	5	Nsg. 102, Maternal and Child	8
Home Ec. 303, Nutrition	2		
Nsg. 100, Med. Sci. in Nursing	2	Total Hours	17
Total Hours	18		

Summer Session (Six Weeks)

Nsg. 203 Psychiatric Nursing 6 hrs.

Second Year

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Biol. 224, Microbiology	3	Nsg. 202, Medical-Surgical	8
Nsg. 201, Medical-Surgical	8	Nsg. 204, Trends in Nursing	3
Speech 101, Fund. of Speech	3	Pol. Sci. 103, National Gov't	3
Soc. 210, Introduction to Soc.	3	Elective	3
Total Hours	17	Total Hours	17

THE TWO YEAR TECHNICAL EDUCATION CURRICULUM

Industry needs technicians to perform skillful and demanding processes—to supervise the work of others—to assist engineers and executives. The two year program permits those who desire to prepare themselves, in a short period of time, to accept these responsibilities. The work is designed to enable the student to learn the sciences, mathematics, and skills necessary for the job. And, if he so chooses, he may return and complete the work necessary for the baccalaureate degree without appreciable loss of credit.

General Education and foundation courses required of all candidates for the two-year associate certificate in Industrial Education specializing in construction, drafting, industrial, mechanical, or other technologies are as follows:

General Education 25 Sem. Hrs.

Eng.	102	First Year Wr. & Spkn. Eng.	3
Eng.	104	First Year Wr. & Spkn. Eng.	3
I. E.	106	Math for Indus-Technical Educ. or	3
Math	112	Intermediate Mathematics I	
Physics	101-102	Introduction to Physics	8
Economics	101	American Business & Industry	3
Psychology	103	General Psychology	3
I. E.	191	Personnel Problems & Labor Rel.	2

Industrial Education Foundation Courses 17 Sem. Hrs.

I. E.	101	Basic Electricity I	2
	102	Basic Electricity II	2
	110	Basic Electronics I	2
	111	Basic Electronics II	2
	120	Graphics I	2
	220	Graphics II	2
	180	Materials & Processes of Industry	2
	190	Industrial Orientation	0
Bus.	227	Industrial Organization	3

Sixteen semester hours of credit in any one of the following groups, in addition to the foundation courses, will constitute a major unit of work in the respective area of specialization.

Construction Technology Specialization 16 Sem. Hrs.

I. E.	122-222	Architectural Drafting	2-2
	160-260	Basic Woodworking	2-2
	170	Statics	3
	270-271	Strength of Materials	2-2
	321-322	Structural Drafting	2-2
	366-466	Construction Lab.	2-2
	372	Surveying	2
	373	Computing & Estimating	2
	375	Plumbing & Sanitation	2
	376	Heating & Air Conditioning	2
	392	Blue Print Reading	2-3
	473	Contracts & Specifications	2
	474	Codes & Practices	2

Drafting Technology Specialization 16 Sem. Hrs.

I. E.	122-222-422	Architectural Drafting	2-2-2
	123	Machine Design	2
	221	Graphic Illustration	2

	223	Jig & Fixture Design	2
	320-420	Drafting Room Techniques	2-2
	321-322	Structural Drafting	2-2
	323-423	Electrical & Electronic Drafting	2-2
	392	Blue Print Reading	2-3
	421	Drafting, Planning & Scheduling	2

Industrial Technology Specialization 16 Sem. Hrs.

I. E.	167-267	Machine Shop	2-2
	192	Personnel Administration	2
	221	Graphic Illustration	2
	315	Controls & Instrumentation	2
	370-470	Manufacturing Processes	2-2
	377	Time & Motion Study	2
	378	Plant Layout & Materials Handling	2
	379	Statistical Quality Control	2
	392	Blue Print Reading	2-3
	415	Electrical Maintenance	2
	477	Industrial Management	2
	478	Production Controls	2

Mechanical Technology Specialization 16 Sem. Hrs.

I. E.	123	Machine Design	2
	161-261	Acetylene Welding	2-2
	162-262	Electric (Arc) Welding	2-2
	167-267	Machine Shop	2-2
	170	Statics	2
	204	Electrical Machinery D.C.	2
	205	Electrical Machinery A.C.	2
	223	Jig & Fixture Design	2
	245	Hydraulics	2
	270-271	Strength of Materials	2-2
	315	Controls & Instrumentation	2
	316-317	Electronics III & IV	2-2
	345	Pneumatics	2
	360	Metallurgy	2
	370-470	Manufacturing Processes	2-2
	371	Thermodynamics	3
	392	Blue Print Reading	2-3
	445	Fluid Mechanics	2

Approved Electives 6 Sem. Hrs.

***Cooperative Work Study** 12 Sem. Hrs.

I. E.	492	Work Study Seminar	4
	493	Work Study Laboratory	8

*Cooperative work study program may be waived for students who are employed full or part time if such employment is approved by the Director of Technical Education.

TYPICAL SCHEDULE FOR THE 2-YEAR TECHNICAL EDUCATION CURRICULUM

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
102 English	3	104 English	3
106 Math for Ind-Tech. Educ.	3	101-102 Electricity I & II	4
190 Orientation	0	101 Economics	3
120-220 Graphics I & II	4	Technical Electives	8
180 Materials & Processes	2		
191 Labor Relations & Personnel Problems	2		
	14		18

First Summer

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
110 Electronics I	2	111 Electronics II	2
Technical Electives	4	Technical Electives	4
	6		6

SECOND YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
101 Physics	4	102 Physics	4
227 Bus. Ind. Organization	3	103 Psychology	3
Approved Electives	8	Approved Electives	8
	15		15

Second Summer

492 Work Study Seminar	4	493 Work Study Laboratory	8

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN EDUCATION

The education of teachers at Fairmont State College is designed to utilize the cooperative functions of the several subject matter areas and the department of professional education. The philosophy of the college is that adequate preparation for teaching requires rich and comprehensive experience in the area of general education, concentration in a comprehensive or in two of the subject matter fields, and the development of certain attitudes, skills and understanding which characterize effective teaching. The State Board of Education has adopted a program of general and professional education which is required of all students preparing for teaching.

COURSES OF INSTRUCTION

Fairmont State College offers teaching curricula leading to the degree of Bachelor of Arts in Education. Students satisfactorily completing the teaching curriculum in a given area will qualify for a Professional Certificate, grades 7-12, 1-9 or 1-12.

Prospective students who began their academic work some time ago and who are now seeking to qualify for a teaching permit are urged to confer with the Dean and the Chairman of the Department of Education to determine the most convenient way to attain the certification they desire. The detailed outline of the several curricular requirements to be found in following sections is concerned primarily with the needs of students whose academic program began in September of 1949, or later. Students who began their college careers before this date are advised to make a thorough check of requirements with the Dean and the Chairman of the Department of Education.

It is the responsibility of candidates for a degree to know and to meet the general requirements of the College and the specific requirements of the chosen curriculum. It is the student's responsibility also to keep informed on his grade-point standing. All of this information may be obtained from the student's advisor or from the Registrar's office.

ADMISSION TO TEACHER EDUCATION

Any student of sophomore standing may enroll in the first professional course, Education 200, Introduction to Education. Students are not expected, in this course, to make a decision or an application for admission to teacher education. It is required of all teacher education students, and non-education students may take it as an elective.

The form, "Student Information Form, T-Form 63," is to be completed and filed with the Education Department before the completion of Education 200. A student will receive a "I" grade in this coures until this form is filed.

In order to be eligible for enrollment in Education 302, Human Growth and Development, a student must be in good academic standing (i.e., he must not be on scholastic probation). Except for transfer students who may be excused, the completion of Education 200 is also a requirement for enrollment in this course.

At mid-semester, and while enrolled in Education 302, those interested in pursuing the Teacher Education program shall make formal application by completing the form, "Application for Admission to the Teacher Education Program". To be accepted, the applicant must have a mimimum quality point average of 2.0, overall and in each area of concentration or teaching field. He must have satisfactorily completed English 102 and 104, First Year Written and Spoken English and English 208, Advanced Written English. He must, at the time of application, be passing Education 302. As a part of this application he must secure a favorable recommendation from the Health Department, the Social Dean, and his class Advisor.

Toward the close of the semester in which the student is enrolled in Education 302, the Selection Committee evaluates the information in his folder and arrives at one of the following decisions: Approved; Approved Conditionally; or Disapproved. The student is to be notified in writing of the Committee's decision, and he shall have the opportunity of appearing before the Committee if he is dissatisfied with its conclusions.

If a student has satisfactorily completed Education 302 and has approval of the Selection Committee, he is eligible to enroll in Education 303, Human Growth and Development. As a part of the requirements for this course, the student must make application for the Professional "Block".

STUDENT TEACHING

Student teaching is required in all curricula. At the present time, elementary school training is provided at East Park, Jayenne, White, and Butcher elementary schools. Secondary training is given in connection with Marion, Harrison, Taylor County junior and senior high schools. All student teaching is under the joint direction of Fairmont State College and the Board of Education of the county in which the teaching is done.

Eligibility for student teaching is determined by the ability of the student to meet the following requirements.

1. a. For enrollment in the Professional Block, 90 semester hours including 8 hours in education courses, and three-fourths of the required work in each teaching field or area of concentration.

   b. Satisfactory completion of English 208, Advanced Written English, and Speech 210 with a grade of "C".

2. Admission to the Professional Block will be predicated upon departmental approval of the candidate's comprehensive field or two teaching fields and completion of professional education courses which are prerequisite to the block courses.

3. Completion of the September Experience of five days in a public school of the student's choice observing the opening and organization of a school.

4. Students will not be permitted to schedule courses outside the block or extracurricular activities which will in any way interfere with the course work.

5. Students must have an average of "C" or better.
   a. On all credits to be counted toward graduation.
   b. On all credits in areas of concentration or teaching fields.
   c. On all credits earned in the department of education.

6. A statement from the college health department showing that the student has been given a physical examination and found to be physically fit for assignment to directed teaching.

7. Students in the teaching curricula must complete their student teaching at the grade level in which they will be certified. All students

will be required to complete a total of seven hours of student teaching.

THE BLOCK SYSTEM

Fairmont State College has adopted the block system for scheduling directed teaching. The significant features of this plan are : (1) a semester is reserved for the student in which he or she will schedule a block of professional subject including methods and directed teaching; (2) a nine-weeks section of that semester will be used exclusively for directed teaching; (3) during this nine-weeks period, the daily assignment for student teaching will comprise all hours the school is in session; (4) in addition to classroom assignments, student teachers will participate in the extra-curricular activities of the school and community.

One semester of the senior year will be used for scheduling a block of approximately 17 semester hours of professional courses. To schedule the "Block", a student must have met the requirements for directed teaching as described in the several preceding paragraphs. Students and advisors should understand that the block system requires exact planning during the early years of the college career as well as in the senior year. All general requirements of the college as well as the minimum requirements of the teaching fields will have to be completed before the "Block" can be scheduled.

SUMMARY OF REQUIREMENTS

Briefly stated, the requirements for the Bachelor of Arts in Education degree are: The candidate must earn a minimum of 128 hours credit in approved subjects with a quality point average of 2.0, or better, for all courses attempted, for all professional courses, and for all courses in his teaching fields. He must also meet the general and specific requirements set up for the curriculum and teaching fields he elects.

TEACHING CURRICULA

Grades 7 through 12

Each student qualifying to teach in grades 7 through 12 shall complete the following:

I. General Studies
II. Professional Education
III. Specialization

(a) One comprehensive field of specialization authorizing him to teach in grades 7 through 12 the related subjects which comprise the comprehensive specialization

or

(b) Two single subject specializations for grades 7 through 12

or

(c) One single subject specialization for grades 7 through 12 and one designed for grades 7 through 9, identical with the specialization required for grades 5 through 9.

Grades 1 through 9

Each student qualifying to teach in grades 1 through 9 shall complete the following:

I. General Studies
II. Professional Education
III. Specialization

(a) A Diversified Specialization for teaching in a self-contained classroom

and

(b) One Subject Specialization for team teaching and departmental teaching in grades 5 through 9.

Grades 1 through 12

Each student who qualifies for teaching in a Self-Contained classroom and for a field of Specialization in a Secondary School, shall complete the following:

I. General Studies
II. Specialization

(a) A Diversified Specialization for teaching in a self-contained classroom

and

(b) One Subject Specialization for teaching in grades 7 through 12.

III. Professional Education

To include methods and student teaching at both the elementary and secondary levels.

Each student who qualifies for teaching Art I and Music, in grades 1 through 12 shall complete the following:

I. General Studies
II. Specialization

(a) One comprehensive specialization

or

(b) Two single subject specializations

or

(c) One single subject specialization and one junior high specialization.

III. Professional Education

To include methods and student teaching of the single subject specialization at both the elementary and secondary levels.

REQUIRED PROGRAM OF GENERAL STUDIES FOR BACHELOR OF ARTS DEGREE IN EDUCATION

Required Areas for Humanites	A.B'. Ed.
Written English 102, 104, 208	9
Spoken English Sp. 210	3
Literature	
English Literature 251 or 252	3

American Literature 261 or 262	3
Art Appreciation 255	2
Music Appreciation 205	2
Science & Mathematics	
Life or Physical Science 101, 102 or 201, 202	6
Mathematics 110 or Higher	3
Social Studies	
Sociology 210	3
Economics 201	3
Political Science 103	3
History 111, 112	6
Physical Education	2

REQUIRED PROGRAM OF PROFESSIONAL EDUCATION FOR BACHELOR OF ARTS DEGREE IN EDUCATION

Ed. 200	Introduction to Education	2 Sem. Hrs.
Ed. 302	Human Growth and Development	3
Ed. 303	Human Growth and Development	3

The allocation of course work in the Professional Block is as follows:

Curriculum A

Ed. 400	Foundations of Education	2 Sem. Hrs.
Ed. 430	Methods of Teaching Reading in the Secondary Schools	2
Ed. 440	Principles of Teaching in the Secondary Schools	2
Ed. 442	General Methods of Teaching in the Secondary School	2
Ed. 450	Observation and Directed Teaching	7
431	Special Methods - Area of Concentration	2

Curriculm B

Ed. 405	Materials and General Elementary Methods	2 Sem. Hrs.
Ed. 410	Methods in Elementary Language Arts	2
Ed. 415	Methods in Elementary Social Studies	2
Ed. 400	Foundations of Education	2
Ed. 420	Observation and Directed Teaching	7
Sci. 412	Science for the Elementary School	2

REQUIREMENTS FOR CURRICULUM B-CLASSROOM TEACHING GRADES 1-9 (ELEMENTARY EDUCATION

A. Diversified Specialization for self-contained classroom

Eng.	207	Childrens Literature	3 Sem. Hrs.
Hist.	207	American History	3
Hist.	208	American History	3
Hist.	302	West Virginia History	3
Geog.	210-305	Global Geography	3
Biol.	101-102	General Biology	6
P. Sci.	201-202	General Physical Science	6
Math	210	Math for Teachers	3

Mus.	231-232	Music Education	6
Art	353	Art Education	3
Health	310	Health Education	6
P. Ed.	329	P. Ed. for Elementary Schools	2

B. Subject Specialization for Grades 5 through 9

Art	27	Sem. Hrs.
General-Earth Science	28	
Home Economics	25 or 26	
Industrial Arts	24	
Language Arts	24	
Mathematics	12	
Music—Vocal	24	
Music—Instrumental	24	
Physical, Health and Safety Education	18	
Speech	18	
Social Studies	27	
Teacher Librarian	18	

DEPARTMENT OF COMMERCE

BUSINESS EDUCATION (Comprehensive) 43 Sem. Hrs.

Business	141	Business Mathematics	3
Business	201-202	Principles of Accounting	6
Business	304	Marketing	3
Business	306	Business Law	3
Economics	201-202	Economic Principles and Problems	6
Economics	303	Money, Credit and Banking	3
Sec. Stud.	102-211	Intermediate & Advanced Typewriting	4
Sec. Stud.	311	Business Machines	2
Sec. Stud.	301-302	Advanced Shorthand and Transcription	3
Sec. Stud.	351	Office Practice	2
Business	431	Materials & Methods in Bus. Education	2

BUSINESS EDUCATION (Secretarial) (A second teaching field is required with this program.)

28 Sem. Hrs.

Business	141	Business Mathematics	3
Business	201-202	Principles of Accounting	6
Sec. Stud.	301-302	Advanced Shorthand & Transcription	8
Sec. Stud.	102-211	Intermediate & Advanced Typing	4
Sec. Stud.	311	Business Machines	2
Sec. Stud.	351	Office Practice	3
Business	431	Materials & Methods in Bus. Education	2

DEPARTMENT OF FINE ARTS

ART

Curriculum for Teaching Field. Grades 1-12

Required Hours 48 Sem. Hrs.

Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2

Art 242	Drawing and Painting from Life	3
Art 255	History and Appreciation of Art	2
Art 261	Painting in Oil	3
Art 278	Ancient and Medieval Art	3
Art 283	Modeling and Sculpture	2
Art 353	Elementary Art Education	3
Art 363	Painting in Watercolor	3
Art 377	Italian and Northern Renaissance Art	3
Art 378	19th Century and Contemp. Art	3
Art 383	Ceramics	3
Art 431	Methods of Teaching Art	2
	Electives	8

Curriculum for Teaching Field. Grades 7-12.

Required Hours 36 Sem. Hrs.

Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2
Art 255	History and Appreciation of Art	2
Art 261	Painting in Oil	3
Art 278	Ancient and Medieval Art	3
Art 283	Modeling and Sculpture	2
Art 353	Elementary Art Education	3
Art 363	Painting in Watercolor	3
Art 377	Italian and Northern Renaissance Art	3
Art 378	19th Century and Contemp. Art	3
Art 383	Ceramics	2
Art 431	Methods in Teaching Art	2

Curriculum for Subject Specialization. Grades 5-9.

Required Hours 26 Sem. Hrs.

Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2
Art 255	History and Appreciation of Art	2
Art 283	Modeling and Sculpturing	2
Art 353	Elementary Art Education	2
Art 363	Painting in Watercolor	3
	Electives	7

MUSIC

Curriculum for Comprehensive Teaching Field (Vocal)

Required Hours 50 Sem. Hrs.

Music Theory:		16
*Music 109E, Beginning Theory (Does not apply to theory requirement and may be eliminated by examination)	(2)	
Music 109, 110, First Year Theory	8	
Music 209, 210, Second Year Theory	8	
Music History and Appreciation:		6
Music 313, 314, Music History	6	

Conducting:			
Music 345, Conducting		2	
Music 346, Conducting		2	
Applied Music:			18
Instrumental:		5	
Music 211, String Class I, II	1		
Music 213, Beginning Brass Class I, II	1		
Music 215, Woodwind Class I, II	1		
Music 217, Percussion Class I, II	1		
Elective, Instrumental Class II on advice of instructor	1		
**Music 170, Lab. Band-Orchestra	N.C.		
***Piano:		5	
Music 105, Piano Class	1		
Music 106, Piano Class	1		
Music 107, Piano I	1		
Music 107, Piano II	1		
Music 107, Piano III	1		
****Music 320, Keyboard Accompaniment			
Voice:		7	
Applied Major: Voice			
Music 141, Voice I-VII	7		
Senior Recital		1	
Music 454			
Participation:			4
*****Choir, band or small ensembles			
Music Education:			2
Music 431, Music Methods and Materials for Jr. & Sr. High School			

Curriculum for Comprehensive Teaching Field (Instrumental)

Required Hours			50 Sem. Hrs.
Music Theory:			16
*Music 109E, Beginning Theory		2	
Music 109, 110, First Year Theory		8	
Music 209, 210, Second Year Theory		8	
Music History and Appreciation:			6
Music 313, 314, Music History		6	
Conducting:			4
Music 345, 346, Conducting		4	
Applied Music:			18
Instrumental:			
Applied Major		7	
Classes:		5	
Music 211, Beg. String Class I, II	1		
Music 213, Beg. Brass Class I, II	1		
Music 215, Beg. Woodwind Class I, II	1		
Music 217, Beg. Percussion Class I, II	1		

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Elective, Instrumental Class II on advice of instructor			
**Music 170, Lab. Band-Orchestra	N.C.		
***Piano:		4	
Music 105-106, Class Piano	2		
Music 107, Piano I, II	2		
Voice:		1	
Music 139, Voice Class	1		
Senior Recital (See Gen. Requirements)		1	
Participation:			4
*****Band, Choir and small ensembles		4	
Music Education:			2
Music 431, Music Methods and Materials for Jr. & Sr. High School			

Curriculum for Comprehensive Teaching Field (Piano or Organ)

Required Hours			50 Sem. Hrs.
Theory:			16
*Music 109E, Beginning Theory		2	
Music 109, 110, First Year Theory		8	
Music 209, 210, Second Year Theory		8	
Music History and Appreciation			6
Music 313, 314		6	
Conducting:			4
Music 345, 346, Conducting		4	
Applied Music:			18
Instrumental:			
Classes:		5	
Music 211, Beg. String Class I, II	1		
Music 213, Beg. Brass Class I, II	1		
Music 215, Beg. Woodwind I, II	1		
Music 217, Beg. Percussion I, II	1		
Elective, Instrumental Class II on advice of instructor			
**Music 170, Lab. Band-Orchestra	N.C.		
Instrumental Applied Minor (4)			
Piano:		7	
Piano Applied Major or Organ Applied Major (Piano and organ majors will be required to have a four hour applied minor either in vocal or instrumental)			
Voice:		1	
Music 139, Voice Class			
Vocal Applied Minor (4)			
Senior Recital (See Gen. Requirements)		1	
Participation:			
*****Band, choir or small ensembles			4

Music Education
Music 431, Music Methods and Materials for
Jr. & Sr. High School

*Music 109E, Beginning Theory: This course required of all music majors and elementary specialists, but may be eliminated upon examination.

**Laboratory Band-Orchestra is held once each week for non credit (NC). All persons taking Music 211, 212, 213, 215, and 217, are required to participate.

***Piano is required of all music students. At the completion of the required number of hours (4), each student must pass the piano proficiency examination. If failed, the student must continue to take piano until the piano proficiency examination is passed. This requirement is necessary for a degree in music. A student who so desires, may take the piano examination after completing one or more hours of piano. If passed, he must be excused from the remaining hours which must be added to music electives in applied area.

****Music 320, Keyboard Accompanying, may be substituted for applied piano.

*****All students majoring or minoring in music are required to participate in at least one campus music major performance group during each semester of college registration. When the required number of participation credits has been earned, students will register for performance groups on a non-credit basis, or apply participation credit toward the area of music electives.

Curriculum for Subject Specialization in Grades 5-9.

Required Hours		26 Sem. Hrs.
General Education Requirements:		8
Music 205, Music in Human Relations	2	
Music 231, Elementary Music for Classroom Teachers	3	
Music 232, Music Materials and Procedures for the Elementary Grades	3	
Theory:		
Music 109E, Beginning Theory (May be eliminated upon examination)	2	
Music 109, Theory (First Semester)	4	
Applied Music:		6
Music 139, Voice Class or	2	
Music 141, Voice		
Music 105-106, Class Piano	2	
Music 107, Piano I, II	2	
Participation:		
Band or Chorus, and Small Ensembles, (See General Requirements under A.B. Music Comprehensive)		
Conducting:		2
Music 345, Choral Conducting		

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

SOCIAL STUDIES (Comprehensive) 59 Sem. Hrs.

*History 111	History of Civilization	3
*History 112	History of Civilization	3
*History 207	United States History	3
*History 208	United States History	3
*History 302	West Virginia History	3
	American History elective Hist. 312, 315, 317, 320, 370, or 410	3
	European History elective Hist. 330, 331, 340, or 341	3
	Advanced History elective Any history course not used to meet one of the above requirements	3
*Sociology 210	Introductory Sociology	3
	Advanced Sociology	
*Pol. Sci. 103	American National Government	3
	Advanced Political Science	3
*Geography 210	World Regional Georgraphy	3
	Advanced Geography	3
*Economics 201	Economic Principles and Problems	3
Economics 202	Economic Principles and Problems	3
History 431	Special Methods (in Social Studies)	2
	History and Social Science electives	9

An additional nine hours to be chosen from any one or several of the areas involved: economics, geography, history, sociology, or political science.

This requirement may be waived if the student

(1) takes twelves hours of a foreign language, or

(2) completes a second teaching field

*Subject Specialization—Required of students qualifying for Professional Certificate with specialization in Social Studies, grades 5 through 9.

DEPARTMENT OF INDUSTRIAL ARTS

INDUSTRIAL ARTS (Comprehensive - Second Teaching Field not required)
56 Sem. Hrs.

FOUNDATION COURSES (Required) 32 Sem. Hrs.

I. E. 101	Basic Electricity I	2
102	Basic Electricity II	2
120	Graphics I	2
220	Graphics II	2
160	Basic Woodworking I	2
260	Basic Woodworking II	2
165	Cold Metal Processing	2
265	Hot Metal Processing	2
180	Materials and Processes of Industry	2
181	General Shop I	2
281	General Shop II	2
381	Administration & Organization of Industrial Arts	2

380	History and Philosophy of Industrial Arts	2
385	School Shop Maintenance I	2
481	General Shop III	2
Educ. 431	Methods and Materials	2

AREAS OF SPECIALIZATION 24 Sem. Hrs.

Select twelve hours each from two of the following areas of specialization (Graphics, Woods, Electricity-Electronics, Metals, General-Fabrication)

GRAPHICS

I. E. 122	Architectural Drafting I	2
123	Machine Design	2
221	Graphic Illustration	2
222	Architectural Drafting II	2
223	Jigs and Fixtures	2
320	Techniques	2
321	Structural Drafting I	2
323	Electrical Graphics I	2
421	Drafting, Planning and Scheduling	2
423	Electrical Graphics II	2

WOODS

I. E. 122	Architectural Drafting I	2
166	Building Construction I	2
222	Architectural Drafting II	2
266	Building Construction II	2
366	Construction Lab I	2
382	Furniture Construction	2
391	Woodworking III	2
466	Construction Lab II	2
482	Cabinet Making I	2
491	Wood Finishing	2

ELECTRICITY-ELECTRONICS

I. E. 110	Electronics I	2
111	Electronics II	2
204	Electrical Machinery DC	2
205	Electrical Machinery AC	2
315	Instrumentation	2
323	Electrical Graphics I	2
415	Electrical Maintenance	2
423	Electrical Graphics II	2

METALS

I. E. 161	Arc Welding I	2
162	Gas Welding I	2
163	Sheet Metal I	2
167	Machine Shop I	2
261	Arc Welding II	2
262	Gas Welding II	2
263	Sheet Metal II	2
267	Machine Shop II	2
360	Metallurgy	2
370	Manufacturing Processes I	2
470	Manufacturing Processes II	2
485	Maintenance II	2

GENERAL-FABRICATION

I. E. 186	Recreational Crafts	2
274	Plastics	2
279	Ceramics	2

286	Crafts	2
374	Plastics	2
386	Industrial Arts for the Elem. Teacher	2
392	Blue Print Reading	2-3

SUBJECT SPECIALIZATION FOR GRADES 5-9 24 Sem. Hrs.

I. E. 101	Basic Electricity I	2
120	Graphics I	2
160	Basic Woodworking I	2
165	Cold Metal Processing	2
180	Materials and Processes of Industry	2
181	General Shop I	2
281	General Shop II	2
286	Crafts	2
380	Philosophy of Industrial Arts	2
381	Organization and Administration of Industrial Arts	2
386	Industrial Arts for the Elementary Teacher	2
481	General Shop III	2

The specialization for grades 5-9 will qualify for a second teaching field.

GENERAL SHOP CERTIFICATION 32 Sem. Hrs.

I. E. 101	Basic Electricity I	2
102	Basic Electricity II	2
120	Graphics I	2
160	Basic Woodworking I	2
165	Bold Metal Processing	2
180	Materials and Processes of Industry	2
181	General Shop I	2
220	Graphics II	2
260	Basic Woodworking II	2
265	Hot Metal Processing	2
281	General Shop II	2
380	History and Philosophy of Industrial Arts	2
381	Organization & Administration of Industrial Arts	2
385	School Shop Maintenance I	2
481	General Shop III	2
Educ. 431	Methods and Materials	2

Students pursuing a General Shop Certification as a first field will be required to qualify in a second teaching field.

The General Shop Certification will qualify for a second teaching field.

Students who choose the General Shop Certification may qualify to teach unit shops by completing six additional semester hours in the respective areas of specialization.

DEPARTMENT OF LANGUAGES AND LITERATURE

ENGLISH

Curriculum for Comprehensive Field 7-12.

Required Hours (Language Arts) 57 Sem. Hrs.

English 102	Written English	3
English 104	Written English	3
English 208	Advanced Written English	3
English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3

English 262	Survey of American Literature	3
English 300-400	level literature courses	6
English 321	Study of the English Language	3
English 431	Methods in Teaching English	2
Speech 105	Voice and Diction	3
Speech 151	Play Production	2
Speech 210	Advanced Spoken English	3
Speech 221	Oral Interpretation	2
Speech 243	Debate	2
Speech 245	Oratory or	2
Speech 401	Extemporaneous Speaking	
Speech 336	Play Directing	2
Speech 430	Speech Correction	3
Journalism 240	Reporting	2
Journalism 312	Publication Problems	3

ENGLISH—Curriculum for Teaching Field 7-12

Required Hours 41 Sem. Hrs.

English 102	Written English	3
English 104	Written English	3
English 208	Advanced Written English	3
English 300-400	level languages electives	3
English 321	Study of English Language	3
English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3
English 262	Survey of American Literature	3
English 300-400	level literature electives	9
English 431	Methods in Teaching English	2
Speech 210	Advanced Spoken English	3

ENGLISH—Curriculum for Subject Specialization 5-9.

Required Hours 24 Sem. Hrs.

English 102	Written English	3
English 104	Written English	3
English 208	Advanced Written English	3
English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3
English 262	Survey of American Literature	3
English 321	Study of the English Language	3

FRENCH

FRENCH (Teaching field, grades 7-12) 30 Sem. Hrs.

French 101	Elementary French	3
French 102	Elementary French	3
*French 201	Second Year French	3
*French 202	Second Year French	3
French 308	Conversation or	3
French 309	Advanced Grammar and Composition	
French 400	Seminar	3

Electives from the following courses 12

French 210	Masterpieces or French Literature	3
French 301	Literature of the 17th Century	3
French 302	Literature of the 18th Century	3
French 309	Advanced Grammar and Composition	3

French 421	Literature of the 19th Century	3
French 422	Literature of the 19th Century	3
French 431	French Civilization and Culture	3
French 321	Contemporary Literature	3
French 210	Can be substituted for French 201 or 202	

FRENCH—Curriculum for Subject Specialization 5-9.

Required Hours		24 Sem. Hrs.
French 101	Elementary French	3
French 102	Elementary French	3
French 201	Second Year French	3
French 202	Second Year French	3
French 308	Conversation or	3
French 309	Advanced Grammar and Composition	
French 400	Seminar	3
Electives		6

DEPARTMENT OF MATHEMATICS

MATHEMATICS* (Comprehensive)*** 30 Sem. Hrs.

Mathematics 116	Calculus I	4
Mathematics 215	Calculus II	4
Mathematics 216	Calculus III	4
Mathematics 361	Abstract Algebra	3
Mathematics 431	Special Methods	2
Mathematics 372	Modern Geometry	3

Electives from the following courses 6

Mathematics 200	Mathematical Logic	3
Mathematics 201	Mathematical Logic	3
Mathematics 362	Linear Algebra	3
Mathematics 335	Probability and Statistics	3
Mathematics 336	Probability and Statistics	3
Mathematics 342	Numerical Analysis	3
Mathematics 372	Modern Geometry	3
Mathematics 391	Introduction to Analysis	3
Mathematics 393	Intro. to Found. of Mathematics	3
Mathematics 401	Differential Equations	3
Mathematics 411	Advanced Calculus	3

MATHEMATICS** (Teaching Field, grades 7-12) 18 Sem. Hrs.

Mathematics 116	Calculus I	4
Mathematics 215	Calculus II	4
Mathematics 216	Calculus III	4
Mathematics 361	Abstract Algebra	3

Electives from the following courses 3

Mathematics 200	Mathematical Logic	3
Mathematics 201	Mathematical Logic	3
Mathematics 362	Linear Algebra	3
Mathematics 335	Probability and Statistics	3
Mathematics 336	Probability and Statistics	3
Mathematics 342	Numerical Analysis	3
Mathematics 372	Modern Geometry	3
Mathematics 391	Introduction to Analysis	3
Mathematics 393	Intro. to Found. of Mathematics	3
Mathematics 401	Differential Equations	3
Mathematics 411	Advanced Calculus	3

MATHEMATICS—Curriculum for Subject Specialization 5-9.

Required Hours		12 Sem. Hrs.
Mathematics 115	Intermediate Mathematics II	3

Mathematics 210	Mathematics for Elementary Teachers	3
Mathematics 361	Abstract Algebra	3
Mathematics 372	Modern Geometry	3

*It is expected that students will present a minimum of four units of secondary school mathematics including two units of algebra, one unit of integrated geometry (or equivalent), and a fourth unit requiring algebra and geometry as prerequisites. Students who present less than this expected preparation may be required to complete appropriate courses from among Math 109, 111, 112, 115, in addition to the above requirements.

**Students selecting the 18 semester hour program in Mathematics shall complete another specialization for grades seven through twelve.

***See: Special Examination for Course Credit, for information concerning credit for prerequisites. Pg. 18, 1963-65 Catalog.

DEPARTMENT OF PHYSICAL EDUCATION, RECREATION, SAEETY, AND HEALTH

	Requirements (Women)	Grades 7-12	Grades 5-9
		38 Hrs.	26 Hrs.
		(6)	
304	Anatomy and Physiology	3	
305	Kinesiology	3	
	FOUNDATIONS		
		(8)	(2)
252	Philosophy and Principles		
351	History	3	
360	Evaluation		
462	Organization and Administration	3	
408	Adapted Physical Education	2	2
	HEALTH AND SAFETY		
		(9)	(9)
100	Personal Health		
101	First Aid	3	3
202	Community Health		
203	Safety	3	3
310	School Health Problems	3	3
	ACTIVITIES		
		(15)	(15)
111	Track and Field	1	1
112	Field Hockey	1	1
113	Softball		1
116	Soccer	1	1
117	Basketball	1	1
128	Tumbling	1	1
129	Gymnastics	1	
134	Volleyball		1
135	Fundamental Skills		1
148	Modern Dance	1	2
227	LaCrosse		
232	Swimming		
236	Tennis		
247	Folk and Square Dance	2	2
328	Games and Rhythms for the Ele. School		2

329	P. E. Program in the Ele. School		2
326	Coaching & Officiating Volleyball, Hockey and Soccer	3	
327	Coaching & Officiating Basketball, Track, Softball and LaCrosse	3	

Courses in Physical Education to satisfy general education requirement for women students.

	First Semester	Hrs.		Second Semester	Hrs.
112	Field Hockey	1	111	Track & Field	1
116	Soccer	1	113	Softball	1
117	Basketball	1	143	Individual Sports	1
134	Volleyball	1	132	Beginning Swimming	1
135	Fundamental Skills	1	232	Intermediate Swimming	1
136	Bowling	1	134	Volleyball	1
128	Tumbling	1	128	Tumbling	1
132	Beginning Swimming	1	227	LaCrosse	1
146	Social Dance	1			
232	Intermediate Swimming	1			

Requirements (Men)		Grades 7-12 34 Hrs.	Grades 5-9 24 Hrs.
SCIENCE		(6)	(3)
304	Anatomy	3	3
305	Kinesiology	3	
407	Physiology of Exercise		
FOUNDATIONS		(8)	(3)
351	History of Physical Education	3	
252	Philosophy and Principles		
462	Organization, Administration Methods	3	3
360	Evaluating and Assisting	3	
408	Adapted Physical Education	2	
HEALTH AND SAFETY EDUCATION		(8)	(6)
100	Personal Health	3	3
101	First Aid	3	3
202	Community Health		
203	Safety		
310	School Health Problems	3	
PHYSICAL EDUCATION ACTIVITIES		(12)	(12)
114	Freshman Orientation	1	1
115	Freshman Orientation	1	1
118	Fundamental Skills and Exercise		
119	Gymnastics		
132	Swimming		
146	Rhythm and Dance Activities		
240	Team Sports		
241	Individual and Dual		
FUNDAMENTALS, PRACTICE, THEORY OF:			
321	Basketball		
322	Football		
323	Baseball		
324	Wrestling		
325	Track		

DEPARTMENT OF SCIENCE

BIOLOGICAL SCIENCE and BIOLOGICAL, GENERAL-EARTH SCIENCE (Comprehensive) 54 Sem. Hrs.

Required in Biological Science			24 Sem. Hrs.
Biology 101	Introduction to Biology		3
Biology 102	Introduction to Biology		3
From Group A-Minimum			6
Biology 201	General Botany	4	
Biology 330	Field Botany	3	
Biology 340	Plant Kingdom I	3	
Biology 341	Plant Kingdom II	3	
Biology 371	Plant Anatomy	3	
Biology 451	Plant Physiology	3	
From Group B-Minimum			6
Biology 220	Invertebrate Zoology	4	
Biology 221	Vertebrate Zoology	4	
Biology 315	Field Zoology	3	
Biology 322	Ornithology	2	
Biology 350	Comparative Vertebrate Anatomy	4	
Biology 410	Histological Technique	1-4	
Biology 411	Histology	1-4	
Biology 420	Vetebrate Embryology	4	
Biology 450	Human Physiology	4	
Electives: May be elected from groups A and /or B or from group C listed below.			6
From Group C-no minimum requirement			
Biology 224	Microbiology	3	
Biology 242	Bio-ecology	3	
Biology 380	Genetics	3	
Biology 390	Biology of the Endocrines	3	
Biology 415	Problems in Biology	1-4	
Biology 460	Biological Colloquim	1	
Biology 480	Principles of Evolution	2	
Required related courses			30 Sem. Hrs.
Chemistry 101	General Chemistry		4
Chemistry 102	General Chemistry		4
Physics 101	Introduction to Physics		4
Physics 102	Introduction to Physics		4
*Geology 201	Physical Geology		3
*Physics 202	Astronomy		3
Mathematics 110	or higher		6
Science 431	Methods and Materials		2

*Not required for those who do not wish to qualify for a comprehensive field.

GENERAL-EARTH SCIENCE (Subject specialization, grades 5-9) 28 Sem. Hrs.

Chemistry 101	General Chemistry	4
Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3
Phy. Sci. 201, 202	General Physical Science	
	or	
Chem. 101, 102	General Chemistry	6-8
	or	
Physics 101, 102	Introduction to Physics	

Geology 201	Physical Geology	3
Physics 202	Astronomy	3
Physics 201	Demonstrations in Physics	3
Electives from Biology, Chemistry, Physics		6-8

CHEMISTRY

CHEMISTRY, General-Earth Science

(Teaching Field, grades 7-12) 46 Sem. Hrs.

Chemistry 101	General Chemistry	4
Chemistry 102	General Chemistry	4
Chemistry 201	Qualitative Analysis	4
Chemistry 202	Quantitative Analysis	4
Chemistry 301	Organic Chemistry	4
Chemistry 302	Organic Chemistry	4
Physics 101	Introduction to Physics	4
Physics 102	Introduction to Physics	4
Geology 201	Physical Geology	3
Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3
Science 431	Methods and Materials	2

PHYSICS

PHYSICS, General-Earth Science 46 Sem. Hrs.

Chemistry 101	General Chemistry	4
Chemistry 102	General Chemistry	4
Physics 101	Introduction to Physics	4
Physics 102	Introduction to Physics	4
Physics 201	Demonstrations in Physics	3
Physics 310	Electricity and Electronics	4
Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3
Geology 201	Physical Geology	3
Physics 202	Astronomy	3
Electives	Minimum of 5 hours in Physics Chemistry 0-4 hrs. Physics 5-9 hrs.	9
Science 431	Methods and Materials	2

DEPARTMENT OF SCIENCE

Home Economics

HOME ECONOMICS (Comprehensive) 42 Sem. Hrs.

Clothing-Textiles

Home Economics 101	Principles of Clothing Construction	2
Home Economics 102	Advanced Clothing Construction	3
Home Economics 103	Principles of Clothing Selection	2
Home Economics 210	Textiles	3

Family Relations-(Child Development)

Home Economics 310	Family Life	3
Home Economics 330	Child Care and Development	3

Foods-Nutrition

Home Economics 201	Prin. of Food Selection & Preparation	3
Home Economics 202	Advanced Foods	3
Home Economics 303	Nutrition	3

Home Management, Household Equipment, Family Economics

Home Economics 312	Consumer Education	3
Home Economics 315	Home Management	3
Home Economics 316	Household Equipment	2

Housing, Home Furnishings

Home Economics 320	Home Planning and Furnishings	3
Home Economics 320L	Lab for 320	1
Home Economics 351	Home Arts	3
Home Economics 431	Home Economics Techniques	2

General Chemistry 101 and 102 strongly recommended.

HOME ECONOMICS (Subject specialization, grades 5-9) 24 or 25 Sem. Hrs.

Home Economics 101	Principles of Clothing Construction	2
Home Economics 103	Principles of Clothing Selection	2
Home Economics 201	Prin. of Food Selection & Preparation	3
	or	
Home Economics 202	Advanced Foods	
Home Economics 303	Nutrition	3
Home Economics 310	Family Life	3
Home Economics 315	Home Management	3
	or	
Home Economics 312	Consumer Education	
Home Economics 316	Household Equipment	2-3
	or	
Home Economics 210	Textiles	
Home Economics 320	Home Planning and Furnishing	3
Home Economics 330	Child Care and Development	3

General Chemistry strongly recommended.

DEPARTMENT OF SPEECH AND DRAMATICS

First Teaching Field 30 Sem. Hrs.

Speech Science

Speech 105	Voice and Diction	3

Public Address

Speech 210	Advanced Spoken English	3
Speech 237	Effective Speaking	2
Speech 243	Argumentation and Debate	2
Speech 245	Oratory	1

Oral Interpretation

Speech 221	Oral Interpretation	2

Speech Correction and Audiology

Speech 430	Speech Correction	3

Dramatics

Speech 151	Play Production	2
Speech 251	Acting	2
Speech 336	Play Directing	2
Speech 336L	Play Directing Lab.	1

Radio and Television

Speech 330	Fundamentals of Radio and TV		2
Electives from classes listed below			5
Speech 222	Advanced Oral Interpretation	2	
Speech 244	Intercollegiate Debating	1-4	
Speech 401	Extemporaneous Speaking	1	
Speech 334	Radio Production	2	

Speech 334L	Radio Production Lab.	1
Speech 101	Fundamentals of Speech	3
Speech 120	Theatre Appreciation	2
Speech 152-452	Theatre Workshop	1-2
Speech 252	Acting Workshop	1-4
Speech 301-301L	Make-up	1-2
Speech 321	Summer Theatre: Rehearsal and Performance	1-3
Speech 322	Summer Theatre: Production and Management	1-3
Speech 331	Children's Drama	2
Speech 331L	Children's Drama Lab.	1
Speech 345	Speech Problems of Children	3
Speech 440	Speech and Drama Seminar	1
Speech 431	Methods and Materials	2

Second Teaching Field 24 Sem. Hrs.

Required courses:

Speech 105, 151, 210, 221, 237, 243, 245, 330, 336, 336L, 430

Electives: Any speech offering.

Curriculum of Subject Specialization 5-9.

Required Hours 18 Sem. Hrs.

Speech 105	Voice and Diction	3
Speech 210	Advanced Spoken English	3
Speech 237	Effective Speaking	3
Speech 331	Children's Drama	2
Speech 331L	Children's Drama Lab.	1
Speech 336	Play Directing	2
Speech 336L	Play Directing Lab.	1
Speech 345	Speech Problems of Children	3

LIBRARY SERVICE

Teacher Librarian 21 Sem. Hrs.

Library Science	300	Reference and Bibliography	3
	302	Catalogue and Classification	3
	304	Organization and Administration	3
	306	Library Materials	3
	308	Library Practice	3
English	207	Children's Literature	3
Education	424	Audio Visual Aids	3

A student selecting Teacher Librarian as a specialization shall complete another specialization for grades 7-12.

KINDERGARTEN—Primary

Curriculum for Kindergarten Primary 1-3.

Required Hours 20 Sem. Hrs.

Art	Kindergarten—Primary Art	2
Education	Kindergarten—Primary Organization & Curriculum	3
Education	Teaching Language Arts in Elem. School	2
Music	Kindergarten—Primary Music	2
Speech 331	Children's Drama	2
Speech 331L	Children's Drama Lab.	1
Speech 345	Speech Problems of Children	3
I. E. 386	Industrial Arts for the Elem. Teacher	2
Home Ec. 330	Child Care and Development	3

COURSES OF INSTRUCTION

DEPARTMENT OF COMMERCE
BUSINESS ADMINISTRATION

102. **Introduction to Business** Three Hours

A survey of the various fields of business designed to acquaint the student with the basic principles, practices, and employment opportunities of each field. The student is provided, early in his college training, with the information of, and preparation for, the advanced courses in business to aid in choosing his major studies.
Mr. Dunn

141. **Business Mathematics** Three Hours

This course is designed to provide knowledge and skill in the computation of the practicial problems of a business. The course content should form a sound basis for further study in the following areas: accounting, business finance, marketing, and related business subjects. Special emphasis will be directed to review of the basic arithmetic skills. The course is designed to meet the requirements of mathematics for students in business administration. Credit cannot be earned in Business 141 and any course offered by the Mathematics Department except for those in Business Education.

201. **Principles of Accounting** Three hours

Fundamental bookkeeping procedures. Organization of accounts, journalizing and posting, expense and revenue, adjustments and closing procedures, and the preparation of financial and operating statements for individual proprietorships. Mr. Potesta

202. **Principles of Accounting** Three hours

The first and second semesters of this course are designed to give students an adequate grounding in the recording, classifying and summarizing phases of accounting in order to proceed with the interpretation of accounting data. This course is a basic course for (1) accounting majors, (2) majors in other areas of business administration, and (3) those whose major interest is in economics, political science, law, or other professional areas. Mr. Potesta

205. **Salesmanship** Three hours

A study of techniques appropriate to personal selling, both retail and contact. Students are given opportunities to construct and give sales presentations.

227. **Industrial Organization for Technicial Education** Three hours

This course is a survey of the production division in modern industry. A study is made of principles and techniques of organization plans; production planning, routing, scheduling, dispatching and control; physical layouts for production; production standards, purchasing and inventory control; and staffing problems in production. Emphasis is placed on application of these principles in operating management.

301. **Advanced Accounting** Three hours

Interpretation and use of accounting data. Accounting theories applicable to the evaluation of assets and determination of liabilities and net worth. Contemporary accounting problems receive full attention including current tax practice and procedures. PR: Bus. 201, 202. Mr. Potesta

302. **Advanced Accounting** Three hours

Continuation of 301. Accounting for partnerships, installment sales, consignment sales, branch accounting, consolidated statements, and estates and trusts. PR: Bus. 301. Mr. Potesta

304. **Marketing** Three hours

A study of those business activities that direct the flow of goods and services from producers to consumers. PR. Econ. 201, 202, or consent of instructor.

306. **Business Law** Three hours

A study of the nature and function of our legal system, courts and procedure including the fundamentals of the law of contracts, agency and partnership. Mr. Potesta

307. **Business Law** Three hours

Continuation of 306. Fundamentals of the law of corporations, sales, negotiable instruments and the legal basis of property as applied to business situations. Business 307 will not satisfy 3 hours requirement in the teaching field of Commerce Business Principles
Mr. Potesta

308. **Personnel Management** Three hours

A study of the field of personnel management and industrial relations including its background, development, and modern practices.
Mr. Jaynes

309. **Industrial Organization and Management** Three hours

The emphasis in this course is on the modern approach to the field of management. Attention is directed to analysis and extensive use of the case study method where the instructional material is related to business enterprise in operation. Mr. Jaynes

310. **Statistics (Offered in alternate years.)** Three hours

The course includes computation of statistical measurements, methods of collecting and analyzing data, and the interpreting of results. Mr. Jaynes

312. **General Insurance (Offered in alternate years.)** Three hours

A course designed to acquaint the student with the various types of insurance, both personal and business, to better prepare him to make his own insurance plans as well as to inform him concerning many types of insurable risks. Mr. Jaynes

314. **Office Management** Two hours

The study of office management principles, analysis of office procedures, filing, transcribing, correspondence, reports, business machines and forms. The application of personnel management techniques to office management, office organization and office layouts. Mr. Dunn

320. **Principles of Advertising** Three hours

A survey course of the social, psychological, and some technical aspects of advertising. For Business and Journalism students.

327. **Accounting for Technical Education** Three hours

This course is designed to provide the student with (1) knowledge of tools and techniques for record keeping, reporting and interpretation of finances in industrial operation and (2) an understanding of cost problems involved in industrial production. A study is made of the principles of general accounting and methods of accounting for cost. as used in industry. Emphasis is placed on development of skill in communication and understanding of problems between finance and production.

401. **Business Finance** Three hours

This course is intended to give the student a background in the field of financial management with emphasis on the areas of cost of capital, cost of external equity capital, cost of retained earnings, and similar concepts. It will also include material investment decisions and financial decisions. PR: Bus. 201, 202. Mr. Dunn

404. **Cost Accounting** Three hours

The relationship of cost accounting to the performance of management functions. The roll of cost and profit data in management pursuit of company objections is studied with four basic points of view in mind: (1) cost principle, (2) cost determination, (3) cost control and (4) cost analysis. Mr. Potesta

405. **Auditing** Three hours

Duties and responsibilities of auditors, methods of verification of of balance sheet and income and expense accounts with the applicable principles of internal control. Preparation of working papers, schedules, audit reports and certificates. PR: Bus. 201, 202, 301, 302, 404.
Mr.Potesta

406. **Federal Income Tax Accounting: Individual** Three hours

Preparation of income tax returns from the accounts of an individual; exclusions and inclusions for gross income, capital gains and losses, business expenses and other deductions.

407. **Federal Income Tax Accounting: Partnership and Corporation**
Three hours

Continuation of 406, including preparation of income tax returns from accounts of partnerships, estates and trusts, and corporation. PR: Bus. 406. While previous accounting knowledge or experience will be helpful, no prior accounting training, knowledge, or experience is required.

410. **Investments** Three hours

A study of the principles of investment procedures and practices to follow in investing money. Mr. Jaynes

416. **Sales Management (Offered in alternate years.)** Three hours

A study of managing a sales organization. Attention will be given to sales administration, sales personnel, distributor-dealer relations, merchandise management, market management, and marketing cost management. PR: Bus. 205 or consent of instructor.

417. **Credits and Collections (Offered in alternate years.)** Three hours

A study of consumer credit management, mercantile credit management, technical and legal aspects of collection, and control of these PR: Bus. 304 recommended but not required.

431. **Materials and Methods in Business Education** Two hours

The latest methods, procedures, and techniques of teaching the skilled and nonskilled Business Education courses. Audio visual resources and equipment available for the teaching of these subjects will be studied. Students will participate and observe classroom teaching.

ECONOMICS

101. **American Business and Industry** Three hours

A study of the principal American industries with emphasis on their contributions and place in the American economy. Geography, technology, competition, economic structure, and history of each major industry group is developed. Mr. Dunn

201. **Economic Principles and Problems** Three hours
(Required course for general education.)

The course approaches the subject from the point of view of Macro-student needing three hours for the general education requirement. The course approaches the subject from the point of view of Macroeconomics covering the nature and method of economics and describing how the capitalistic system functions. Further study is made of the business cycle, fiscal policy, monetary policy, gross national product and similar concepts. Some time is devoted to the study of competing economic systems.

202. **Economic Principles and Problems** Three hours
(For those meeting the requirement of six hours in Economics)

This course is devoted to Microeconomics. It follows the analysis of the firm and the decisions made by the managers of the firm. It includes the analysis of demand and supply and price and output determination. It is also concerned with the important problems in the field of economics: Monopoly, agriculture, international trade, labor, economic development and similar problems.

303. **Money, Credit, and Banking** Three hours

An intensive study of money and credit principles with an analysis of their effects upon prices. History of banking. Banking principles and practices. PR: Economics 201, 202. Mr. Jaynes

307. **Personal Finance** Three hours

A study of the problems a consumer must face in his or her day-to-day buying and living. It includes a brief survey of budgets, life insurance, investments, managing personal finances, buying services, and other problems of the consumer. Primarily intended as a general education course for non-majors. Mr. Jaynes

405. **Economic Analysis** Three hours

This course is intended to provide the student with experience in economic analysis with a purpose to develop the power of decision-making. Material to be studied will include the areas of forecasting, economic measurements, capital management, and similar subjects. It is intended to provide the advanced student with a review of economics and with its application to business practice. PR: 18 hours of Economics and Business. Mr. Jaynes

406. **Guided Economy Study** One-Three hours

Intensive reading, research, and study in current literature and documents in regard to a selected economic problem or group of problems. The field of study will be one in which the student has a special interest. All work will be done individually and the class will be conducted by conferences with each student. PR: 17 hours of Economics. Business, and Social Science courses.

SECRETARIAL STUDIES

101. **Beginning Typewriting** Two hours

A beginning course in the fundamentals of the typewriter. This course includes basic machine operations, development of speed and control, vertical and horizontal centering, simple tabulation, memorandums, personal business letters, announcements, simple manuscripts, rough drafts and proof-readers marks. No credit by examination.

102. **Intermediate Typewriting** Two hours

PR: S.S. 101 or one year of high school typing or the equivalent. This course includes the development of speed ,control, and sustained typing, business letters, envelopes, tabulated reports, manuscripts, changing typewriter ribbon, and simple business forms. No credit by examination.

104. **Secretarial Accounting** Three hours

Designed to meet the needs of the terminal secretarial student. Trains in the fundamental accounting procedures that will be encountered by the secretary. It develops the understanding and interpretation of accounting principles. Cannot substitute for Business 201 or Business 202.

201. **Beginning Shorthand** Four hours

Beginning course in shorthand. Introduction of theory and brief forms of Gregg Diamond Jubilee Shorthand. Emphasis is on reading and writing of shorthand at 60 words per minute. No credit by examination.

202. **Beginning Shorthand** Four hours

PR: 201 or one year of high school shorthand. Continuation of S. S. 201. Emphasis is on the writing of shorthand from dictation at a minimum of 80 words per minute. No credit by examination.

211. **Advanced Typewriting** Two hours

PR: 102. An advanced course in electric typewriting adapted to office procedures. This course includes the typing of telegrams, cards, statistical reports, tabulation, business letters with tabulated data, invoices, requisitions, typing of special reports, legal documents, changing typewriter ribbon, and sustained typing. No credit by examination.

251. **Business Correspondence** Two hours

PR: S.S. 102, English 102, 104. An analysis of the physical mechanics of the business letter. This course includes the writing of effective business letters in sales, collection letters, letters of application, telegrams, cablegrams, business reports, and post office services. No credit by examination.

301. **Advanced Shorthand and Transcription** Four hours

PR: S.S. 202 or 2 years of high school shorthand. Emphasis is on the writing of shorthand at a minimum of 100 words per minute and producing mailable transcripts, spelling, punctuation and sentence structure are stressed. A complete review of brief forms and derivatives is included. Sustained dictation and transcription of a departmental business vocabulary is emphasized. No credit by examination.

302. **Advanced Shorthand and Transcription** Four hours

PR: S.S. 301. A continuation of S.S. 301. Emphasis is on dictation at a minimum of 120 words per minute and producing mailable transcripts. Sustained dictation and transcription of a vocational vocabulary is emphasized. No credit by examination.

303. **Principles and Practices of Filing** Two hours

Designed to train in the speed and accuracy of the latest filing procedures. Actual practice in Alphabetic, Variadex, Numeric, Geographic, and Soundex filing systems.

311. **Office Machines** Two hours

An orientation and practice course for students in the Business or

Secretarial Studies areas. Approximately two-thirds of the course time is given to practice with representative calculating, duplicating and transcribing equipment. No credit by examination. Mr. Dunn

314. **Dictation and Transcription** Two hours

PR: Consent of Instructor. A course combining the skills of shorthand, typewriting and English in the process of typewritten transscription. The course includes a systematic review of the major principles of shorthand with emphasis on spelling, punctuation, dictation transcription techniques.

351. **Secretarial Office Practice** Two hours

The course includes all phases of office routine and procedures. Class lecture is supplemented by a field trip, films, and guest speakers from local and state industries. Mrs. Pinto

351L. **Secretarial Office Practice Lab** One hour

A practical course with actual experience in an office. A total of 90 hours in supervised office work is required for credit in the course. Previous work experience cannot fulfill this requirement. PR: S.S. 211, 302, 2.0 average in major, minor and overall, i.e. for all work attempted. Mrs. Pinto

DEPARTMENT OF FINE ARTS

ART

140. **Art Structure and Applied Design** Three hours

A basic course in the principles of design applicable to various media and techniques

141. **Art Structure and Applied Design** Three hours

A continuation of Art 140.

142. **Drawing** Two hours

The development of technical skills in the use of various drawing media with a continuation of problems of composition.

241. **Drawing from Life** Two hours

Drawing from the posed model accompanied by analytical studies of anatomy.

242. **Drawing and Painting from Life** Three hours

Continuation of Art 241.

255. **History and Appreciation of Art** Two hours

Emphasis upon art in contemporary living. Considers the social political, and economic impact upon historical backgrounds and modern developments in various art fields.

261. **Painting in Oil** Three hours

A course designed for those who have had no previous work in painting in oil. PR: Art 142.

262. **Painting in Oil** Three hours

Continuation of Art 261.

278. **Ancient and Medieval Art** Three hours

History of Art from Prehistoric times to 1400 A.D. An analysis of the philosophical, religious, and political beliefs and conditions that produced various artistic expressions. PR: Art 255.

283. **Modeling and Sculpture** Two hours

Introductory course using clay modeling, plaster, and metal sculpture.

284. **Modeling and Sculpture** Two-Three hours

Continuation of Art 283.

341. **Lithography** Two hours

A study of the methods of reproducing drawings by using the grease crayon on stone and printing from it with the offset press.

353. **Elementary Art Education** Three hours

Art related to the general educational program of the elementary school. Experience in drawing, painting, poster, and design using various media suitable for children.

361. **Painting in Oil** Two-Three hours

Still life, landscape, and figure painting in oil.

362. **Painting in Oil** Two-Three hours

Continuation of Art 361.

363. **Painting in Watercolor** Two-Three hours

Composition and techniques of painting in watercolor. PR: 142.

364. **Painting in Watercolor** Two-Three hours

Continuation of 363.

377. **Italian and Northern Renaissance Art** Three hours

History of painting, sculpture, architecture, and the minor arts in Italy, the Netherlands, Germany, Spain, France, and England from circa 1400 A.D. to the 19th century.

378. **Nineteenth Century and Contemporary Art** Three hours

History of art from the 19th century to the present with an analysis of art movements.

383. **Ceramics** Two-Three hours

Ceramic design and techniques, such as slab, coil, wheel, etc. for beginners.

384. **Ceramics** Two-Three hours

Continuation of Art 383.

431. **Secondary Art Education** Two hours

Planning and application of problems for high schools. Coordinated with the Education Department and the public schools. Designed for students who are practice teaching or for teachers in service.

461. **Advanced Painting in Oil** Two-Three hours

462. **Advanced Painting in Oil** Two-Three hours

Continuation of 461.

463. **Painting in Any Medium** Two-Three hours

The student is permitted to select the medium and then experimentally exploit all the technical and creative possibilities that it permits

491. **Interior Design** Three hours

Problems of designing and furnishing the home. Considers traditional backgrounds and contemporary development.

DEPARTMENT OF FINE ARTS

MUSIC

103. **Organ I-VIII** One hour

One thirty minute lesson per week. The program of study will be fitted to the individual needs of the student. One hour of private practice per day is required. Acceptance of the student will be the prerogative of the instructor. Miss Moody

105. **Class Piano I-II** One hour

This course is designed for all students interested in beginning piano. This will be conducted as a class with each member being offered opportunity for participation. Miss Moody

107. **Piano I-VIII** One hour

One thirty minute lesson per week. See description under Music 103. Miss Moody

109E. **Beginning Theory** Two hours

This course is designed for beginning music students who need additional background in Theory. Credit for this class is also used as the theory requirement for elementary teachers with music as a minor assignment. This class may be omitted from a student's program on examination. Mr. Robinson

109. **Theory** Four hours

This course is designed to acquaint music majors and minors with the techniques of the 18th and 19th century styles of composition. The following elements are included: chord structure and progressions (harmony); application of these principles to the piano (keyboard); correlating the eye and the ear (diction and sight singing); understanding of phrase structure (form and analysis. PR: 109E.
Mr. Gragson

110. **Theory** Four hours

A continuation of 109. PR: 109. Mr. Gragson

139. **Class Voice** One hour

Course consists of a study of the fundamentals of voice production: breathing, resonance, articulation and style. Mr. Robinson

141. **Voice I-VIII** One hour

Open to students who have sufficient musical background and vocal quality to merit individual instruction. The principles of proper vocal production are stressed with later emphasis upon solo repertoire in English, Italian, German and French. Mr. Robinson

167. **"Collegiates" I-VIII** One hour

A select touring choir. Members must be enrolled in Music 173, College Chorus, or may try out by consent of the instructor. PR: Audition. Miss Moody

169. **Band I-VIII** One hour

Open to all students who can play an instrument needed to keep a balanced organization. The program of procedure is designed to present study of band literature and administration through participation. PR: tryout. Mr. Gragson

170. **Laboratory, Band and Orchestra** No Credit

Required of students taking music 211, 213, 215, 217. Open to all students upon instructor's acceptance. This course provides review experiences in playing instruments at the beginning and intermediate levels. Staff

173. **College Chorus I-VIII** One hour

Open to all students who can sing a part. This course is designed to present a study of choral literature, and administration through participation. PR: tryout. Miss Moody

Individual Instruction in Band and Orchestral Instruments

The following courses numbered 177 through 199 are open to students with sufficient musical background to benefit from individual instruction in the techniques of playing band and orchestral instruments. One thirty-minute lesson per week. Acceptance of the student will be the prerogative of the instructor. One hour of private practice per day required.

177.	**Percussion I-VIII**	One hour
179.	**Saxophone I-VIII**	One hour
181.	**Flute I-VIII**	One hour
183.	**Clarinet I-VIII**	One hour
185.	**Oboe I-VIII**	One hour
187.	**Bassoon I-VIII**	One hour
189.	**Trumpet or Cornet**	One hour
191.	**Baritone Horn I-VIII**	One hour
193.	**French Horn I-VIII**	One hour
195.	**Trombone I-VIII**	One hour
197.	**Tuba I-VIII**	One hour
	Strings: Violin, 200 I-VIII; Viola, 201 I-VII; Cello, 202, I-VIII; Bass, 203 I-VIII	One hour

205. **Music Appreciation** Two Hours

A general music course in appreciation required of all students. Music of composers of the classical, romantic, and modern periods are discussed, and compositions of these composers are heard through the medium of recordings.

209. **Theory** Four hours

Continuation of Music 110. Emphasis is placed on modulation and the choral style of composition. PR: Music 110. Mr. Gragson

210. **Theory** Four hours

Continuation of Music 209 with the introduction of the contrapuntal style. PR: 209. Mr. Gragson

211. **String Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of string instruments is attained through class instruction.

213. **Brass Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of brass instruments is attained through class instruction. Mr. Gragson

215. **Woodwind Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of the instruments of the woodwind choir is attained through class instruction. Mr. Gragson

217. **Percussion Class I, II** One hour

Open to all students with sufficient background in music. A working knowledge of percussion instruments is attained through class instruction. Mr. Gragson

231. **Elementary Music I** Three hours

This course gives the student a background in theory, terminology of music, scale building, rhythm, use of syllables, numbers and letters in music reading, chord construction, and use of the keyboard and autoharp. Two lecture hours and one laboratory hour per week. Required of all elementary teachers. Mr. Wellock

232. **Elementary Music II** Three hours

This course includes materials, methods and procedures for carrying out the music program in the elementary grades one through six. PR: Music 331. Mr. Wellock

234. **Advanced Vocal Ensemble I-VIII (Male Quartette)** One hour

Open to advanced vocal students. PR: audition Mr. Robinson

247. **Stage Band I-VIII** One hour

Open to advanced instrumental students. PR: audition. Mr. Gragson

249. **Advanced Instrumental Woodwind Ensemble I-VIII** One hour

Open to advanced woodwind students. PR: audition Mr. Hamilton

275. **Advanced Brass Instrumental Ensemble I-VIII** One hour

Open to advanced instrumental students. Designed to give students an opportunity to participate in small ensembles. Groups meet on a regular weekly rehearsal schedule under faculty direction. PR: audition. Mr. Gragson

277. **Advanced Vocal Ensemble I-VIII (Madrigal Singers)** One hour

Open to advanced vocal students. Designed to give students experience in small ensemble participation. Groups meet on a regular rehearsal schedule under faculty direction. PR: audition. Mr. Robinson

309. **Orchestration** Two hours

Basic instrumentation and arranging for band and orchestra. PR: 210, elective only. Mr. Gragson

310. **Counterpoint** Two hours

A study of the style and technique involved in the writing of 16th century polyphonic music. PR: 210, elective only. Mr. Gragson

313. **History** Three hours

This course traces music from the early Greek through the Baroque periods, with emphasis on recognition of styles and composers. PR: 209. Mr.Robinson.

314. **History** Three hours

A continuation of Music 313 covering the Classical and Romantic periods. PR: Music 313. Mr. Robinson.

320. **Techniques of Keyboard Accompanying** One hour.

A course designed to acquaint advanced students of piano and organ with the techniques involved in playing accompaniments for performing groups and soloists. Regularly scheduled laboratory experiences in playing accompaniments for vocal and instrumental soloists and ensembles will be provided. This course may be substituted for applied piano. PR: Permission of instructor. Miss Moody.

345. **Choral Conducting** Two hours.

This course includes the basic techniques needed for the conducting of Junior and Senior High School music groups. Baton techniques, interpretation, score reading, and repertoire are emphasized. PR: 209. Mr. Robinson.

346. **Instrumental Conducting** Two hours

This course includes the basic techniques needed for conducting Junior and Senior High School instrumental music groups. Baton techniques, interpretation, score reading, repertoire, and elementary orchestration are emphasized. PR: 209. Mr. Gragson.

430. **Vocal and Instrumental Methods for the Secondary Schools** Three hours.

Study of techniques, methods and materials used in teaching and administrating vocal and instrumental programs in the secondary schools. PR: Music 345. Mr. Wellock.

431. **General Music, Grades 1-9 (Block)** Two hours.

This course deals with techniques, methods, and materials used in teaching and administrating elementary and general music classes, Grades 1-9. Mr. Wellock.

440. **Senior Recital (See General Music Requirements)** One hour.

All music majors are required to present a senior recital or its equivalent before the faculty jury or public.

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

EDUCATION

200. **Introduction to Education** Two hours

An analysis will be made of teaching as a career. A self-analysis will be made by the student to ascertain his probable fitness for the profession of teaching. It is a prerequisite for Education 302. Not open to students who have credit in six hours or more of professional education. Open to sophomores only.

302. **Human Growth and Development** Three hours

The aim of the course is to develop an interest in and an understanding of the child as a developing personality. Observations are required PR: Ed. 200.

303. **Human Growth and Development** Three hours

This course is a study of the learning process and its relationship to the growth and development of the individual. PR: Education 302.

395. **Survey of Guidance** Three hours

Principles of educational, vocational and personal guidance are examined. Guidance techniques are studied. PR: Education 302 and 303.

400. **Foundations of Education** Two hours

This course is designed to provide an opportunity for students to explore social, historical and philosophical theories and their implications for the interpretation of educational thought and procedure.

405. **Materials and General Elementary Methods** Two hours

PR: Education 302 and 303.

410. **Methods in Elementary Language Arts** Two hours

PR: Education 302 and 303.

415. **Methods of Elementary Social Studies** Two hours

PR: Education 302 and 303.

420. **Observation and Directed Teaching (Elementary)** Three-Seven hours

Student teaching must be on two levels. PR: Education 302, 303, 400, 405, 410, 415 and consent of the instructor.

424. **Audio-Visual Aids** Three hours

Techniques of effective use of graphic materials, unprojected pictures, objects, specimens, models, field journey, projected pictures, and audio aids. Required laboratory work includes operation of sound motion picture projectors, slide film, and opaque projectors, and phono-transcription audio equipment.

425. **Observation and Directed Teaching (Grades 1-12)** Three-Seven hours

For non-academic students seeking certification in grades 1-12. PR: Ed. 302, 303, 405, 442, 440 and consent of the instructor.

430. **Methods of Teaching Reading in the Secondary Schools** Two hours

PR: Education 302 and 303.

431. **Materials and Methods** Two hours

A course in special methods. Chairmen of departments of subject matter fields requiring unique and special methods may offer this course in cooperation with the Department of Education after securing approval. PR: Education 302, 303.

440. **Principles of Teaching in the Secondary Schools** Two hours

PR: Education 302 and 303.

442. **General Methods of Teaching in the Secondary Schools** Two hours

450. **Observation and Directed Teaching (Secondary)** Seven hours

PR: Education 302, 303, 400, 430, 440, 442 and consent of the instructor.

PSYCHOLOGY

103. **General Psychology** Three hours

An elementary introduction to the viewpoint, methods and principles of the science of behavior. Three hours lecture weekly.

250. **Experimental Psychology** Three hours

An introduction of procedures of experimental research, including principal topics of investigation, their representative experimental designs and laboratory techniques. Two hours lecture, two hours laboratory weekly. PR: Psychology 103.

300. **Psychology of Personal Adjustment** Three hours

A basic course in the analysis of human behavior. Special emphasis is given to the mechanisms of adjustment and the development of a systematic adjustment theory. Three hours lecture weekly. PR: Psychology 103.

325. **Abnormal Psychology** Three hours

PR: Psychology 103.

350. **Statistics** Three hours

Elementary statistical description and analysis as employed particularly in the behavioral sciences. Three hours lecture weekly.

375. **Physiological Psychology** Three hours

Discussion of research on physiological mechanisms in behavior. Principle concern will be with central nervous functions. Three hours lecture weekly. PR: Psychology 103.

400. **Psychometrics** Three hours

General theory of measurement as involved in various areas of psychology such as psychological tests, attitude scales, psychophysics, and quantified behavior theory. Three hours lecture weekly. PR: Psychology 350.

425. **Clinical Psychology** Three hours

Consideration of theory and evidence dealing with various topics of clinical application such as personality theory, theory of behavior disorders, techniques of diagnosis and therapy. Three hours lecture. PR: Psychology 400 or consent.

460. **Seminar** Three hours

Discussion of specific research topics as reported in contemporary literature. Each student will complete an individual research project. PR: consent of instructor.

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

HISTORY

111. **History of Civilization** Three hours.

A survey of the history of man from the earliest times to the beginning of the modern era.

112. **History of Civilization** Three hours.

A survey of the history of man from the beginning of the modern era to the present time.

207. **United States History** Three hours.

A survey course in United States history from the Age of Discoveries to the Reconstruction era.

208. **United States History** Three hours.

A survey course in United States history from the Reconstruction era to the present time.

302. **West Virginia History** Three hours.

A study of West Virginia history, government, and geography from the first settlements to the present time. PR: History 207, 208.
Dr. Turner

310. **History of England** Three hours.

A survey of English history from 1066 to the present. PR: History 111, 112.

312. **Diplomatic History of the United States** Three hours.

A study of the foreign relations of the United States and the development of basic American foreign policies from the colonial period to the present. PR: History 207, 208. Dr. Turner

315. **Colonial America** Three hours.

A study of the American colonies from their beginnings to the end of the Revolutionary War. PR: History 207.

317. **The Civil War and Reconstruction** Three hours.

PR: History 207, 208. Mr. Shaffer

320. **American Economic History** Three hours.

A survey of the economic development of the United States from the colonial period to the present. PR: History 207, 208.

330. **Europe from 1300-1763** Three hours.

A study of the development of Europe's national monarchies, the rise of capitalism and mercantilism, religious history from the Reformation to Pietism and Deism, and European intellectual achievement from the Renaissance to the Enlightenment. PR: History 111, 112.

331. **Europe from 1763-1850** Three hours

A study of the causes of the French Revolution, the Revolution itself, the career of Napoleon, and the conflict or revolutionary and counter-revolutionary forces in the post-Napoleonic era. PR: History 111,112.

340. **Europe from 1850 to 1919** Three hours.

PR: History 112. Miss Ayers.

341. **Europe from 1919 to the Present** Three hours.

PR: History 112. Miss Ayers.

350. **Latin America: The Colonial Period** Three hours.

A survey of Latin American history from 1492 to 1821. PR: Hist. 111, 112.

351. **Latin America: The National Period** Three hours.

A survey of the history of the Latin American nations from 1821 to the present. PR: History 111, 112.

360. **European Intellectual History** Three hours.

A study of the main currents of European thought and their important relationships with the historical setting. PR: History 111, 112.

370. **American Intellectual History** Three hours.

A study of the main currents of American thought and their impact on the evolution of American history. PR: History 207, 208.

410. **Recent America** Three hours.

United States history from 1929 to the present. PR: Hist. 208.

421. **History of Russia** Three hours.

Russian national development from its origin to the present. Emphasis upon the nineteenth and twentieth centuries. PR: History 112. Miss Ayers.

422. **History of the Far East** Three hours.

A brief survey of the cultural development of China, Japan and Korea to 1800, and a more detailed analysis of the impact of the West upon these areas from 1800 to the present. PR: History 112. Miss Ayers.

423. **History of Southeast Asia** Two hours.

A survey of Southeast Asia with primary emphasis on India and Pakistan as a culture center. Major topics include: Western colonialism, movements of nationalism, problems of independence, and international relations. PR: Hist. 112. Miss Ayers.

431. **Special Methods** Two hours

Methods of teaching the social studies in the secondary schools.

460. **Guided Historical Study** One-Three hours

Intensive reading on a selected topic or problem in American history. PR: Consent of instructor.

461. **Guided Historical Study** One-Three hours.

Intensive reading on a selected topic or problem in European history. PR: Consent of instructor.

470. **Seminar** Three hours.

Intensive study of a selected topic with emphasis on individual research, report writing, and discussion. PR: Consent of instructor.

POLITICAL SCIENCE

103. **American National Government** Three hours.

A survey of American government devoted to the consideration of the origins, constitutional basis, and functions of the Federal System.

200. **Principles of International Relations** Three hours.

A study designed to acquaint the student with the theory and practice of international relations. PR: Political Science 103.

203. **Comparative Government** Three hours.

A survey designed to give a broad general acquaintance with the political institutions and government practices of certain nations. PR: Pol. Sci. 103.

303. Political Parties Three hours.

A study of the origins, growth, and development of the American political party. PR: Pol. Sci. 103.

305. American Political Theory Three hours.

A study of the political literature which has given expression to the ideas of individual liberty enjoyed by American citizens. PR: Pol. Sci. 103.

406. International Problems Three hours.

The foreign policies of the nations and the machinery established and functioning for the peaceful adjustments of international differences. PR: Pol. Sci. 103 and consent of instructor.

410. Problems in American Government Three hours.

A study of current problems affecting the structure and function of American national government. PR: Pol. Sci. 103 and consent of instructor.

SOCIOLOGY

210. Introductory Sociology Three hours.

A study of the structure, function, and change in culture and society.

301. Anthropology Three hours.

A study of human biological and social origins, including human prehistory, race, the origin and nature of culture, social organization among preliterate peoples, cultural diffusion, and culture change. PR: Soc. 210.

305. Social Psychology Three hours.

A study of social structure and social interaction. Techniques of leadership and control will receive special study. PR: Soc. 210. Psychology 103 recommended.

310. Marriage and the Family Three hours.

A study of the background, organization, and function of the American family. Courtship, marriage, marriage adjustment, parenthood, family disorganization and the effect of social change upon the family will be studied. Open to those with credit in H. Ec. 210 and Hlth. 310 only by special arrangement. PR: Soc. 210.

320. Rural Sociology Three hours.

A study of the characteristics of rural society including its culture, social relationships, and institutions. Rural society is studied in comparison with urban society as a part of American Society. PR: Soc. 210.

330. Urban Sociology Three hours.

A study of the characteristics of urban society including its culture, social relationships and institutions. Urban society is studied in comparison with rural society as a part of the American Society. PR: Soc. 210.

340. Juvenile Delinquency Three hours.

A study of what society defines as delinquent behavior and of the young people designated as delinquents. Emphasis will be placed on the causes of delinquency and on the various techniques and methods of prevention, treatment, and rehabilitation. PR: Soc. 210.

360. The Field of Social Work Three hours.

A study of the history and development of social work with special emphasis upon modern social work agencies and the services which they render. Various types of social work will be considered from the standpoint of the prospective social worker. PR: Soc. 210.

410. Industrial Sociology Three hours.

A study of the organization, structure, function and social relationship found in the various areas of industrial activity found in American society. The area of industrial relations will receive special emphasis. PR: Soc. 210.

430. Community Organization Three hours

A study of the structure and function of the various social groupings found in the community. The course is oriented toward the development of community leadership talent. PR: Soc. 210.

450. Minority Groups Three hours.

A study of racial and cultural minority groups in the United States with special emphasis upon understanding the cause of their persistence and the reason for majority-minority antagonisms. A study of the techniques whereby prejudices are developed and reduced will be made. PR: Soc. 210.

460. Social Problems Three hours.

A study of representative social dislocations in important areas of human relationships. PR: Soc. 210.

470. Sociological Theory Three hours.

A study of the theoretical basis of modern sociological thought, institutions and organizations. PR: Soc. 210.

490. Seminar: Sociological Literature Three hours.

A course designed to use original sources and publications not primarily used as texts. PR: Junior standing with 12 hours of sociology.

499. Seminar: Special Problems in Sociology One-Three hours.

Open only by juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's need. PR: Junior standing with 12 hours of sociology.

DEPARTMENT OF INDUSTRIAL ARTS-TECHNICAL EDUCATION

101. Electricty I Two hours

A study of DC circuits including the electron theory, resistence, power, magnestism, conductors and insulators, theory and use of the multimeter. PR: I.E. 106, 107; Physics 101, 102 or consent.

102. Electricity II Two hours

A study of AC circuits including inductance, capacitance, reactance, impedance and phase relationships. PR: I.E. 101.

110. Basic Electronics I Two hours

A study of vacuum tube technology including various types of vacuum tubes, theory of operation and uses. PR: I.E. 101, 102.

111. Basic Electronics II Two hours

A study of the applications of vacuum tubes to obtain circuits for performance of various functions. PR: I.E. 110.

120. Graphics I Two hours

A study of drawing as the universal language of industry. This course is on the college level for beginners. It includes lettering, sketching, orthographic projection, sectional views, and auxiliary views.

122. Architectural Drafting I Two hours

A course in the study of architectural nomenclature and terminology of structural members and materials of building one and two living units. Symbols, conventions, and sectional views are studied and drawn in compliance with the Federal Housing Authority Code.

123. Machine Design Two hours

A course in which the characteristics of metals and machine parts are studied. Emphasis is placed on the representation of threads, cams, gears, and formulas relating thereto. A working drawing of an actual piece of machinery will be measured, sketched, and executed.

160. Hand Woodworking Two hours

A beginning course of woodwork in which materials, tools, tool processes, fastenings, and construction are studied. Construction work consists of procedural tasks embodying typical tool operations.

161. Arc Welding I Two hours

The care, operation, use, maintenance, methods, and safety precautions necessary in the welding of common metals by the use of the arc welder. Welding will be done with AC and DC welding machines, oxy-arc cutting process and the Hiliarc Process dealing with hard-to-weld metals. Mr. Leonard

162. **Gas Welding I** Two hours

The care, operation, use, maintenance, and methods of welding and brazing the common metals using the oxy-acetylene welding torch. Mr. Leonard

163. **Sheet Metal I** Two hours

A beginning course including instruction in laying out surface patterns, making useful articles involving typical stretch out, joints, wiring, soldering, and riveting. Staff

165. **Cold Metal Processing** Two hours

Laboratory course in the basic use of tools and techniques used in the shaping, forming, drilling, tapping, and joining of the ferrous metals in a cold state. Use and care of the hand tools and layout procedures. Methods of fastening and holding. Staff

166. **Building Construction, Residential I** Two hours

Actual construction of small buildings and the problems involved in the erection of the building from the ground up. Summers only. PR: 160, 122, 222, or 12 hours of I.E. work.

167. **Machine Shop I** Two hours

A beginning course in the fundamental hand and machine tools. Study will involve care and operation of the lathe, drill press, power hack saw, Do-All, and surface grinder. Material and tool specifications will be introduced. Mr. Leonard

170. **Statics** Two hours

A study of force systems in static equilibrium. Includes concurrent, non-concurrent force systems, trusses, friction, moments of inertia and centroids of areas. PR: I.E. 106, 107 and Physics 101, 102.

171. **Strength of Materials II** Two hours

A continuation of I.E. 170.

180. **Materials and Processes of Industry** Two hours

A detailed analysis of the general nature and extent of basic American industries with an emphasis on materials and processes. Special attention is given to the technical, consumer, occupational, cultural, recreational, and social functions of the respective industries.

181. **General Shop I** Two hours

A multiple materials experience laboratory designed to run concurrently with I.E. 180, wherein students develop a variety of project activities. Students experience a laboratory situation similar to that in which they may find themselves during their teaching careers. Each student is expected to explore, to experiment, and to develop ideas which are essentially expressive of himself.

186. **Recreational Crafts** Two hours

Activities involving a variety of tools, materials, processes, and machines are employed to acquaint the student with the crafts. The student is encouraged to develop ideas which are expressive of himself. In addition, the organization and administration of recreational crafts programs is studied.

190. **Industrial Orientation** No credit

An orientation course designed to give the freshman student a general view of the engineering technician and his place on the engineering team. In addition will be included such subjects as "How to Study", (precision measurements, use of the library, and general information about the college.

191. **Personnel Problems and Labor Relations** Two hours

A seminar dealing with the problems of labor and management. Wage and hour laws and industrial regulations. Mr. Fowler

192. **Personnel Administration** Two hours

A study of personnel management, industrial supervision, and labor-union relations. Also included are job evaluation, wage systems, and merit rating.

204. **Electrical Machinery DC** Two hours

A study of the principles and operation of direct current machines, includes generator and motor characteristics, efficiency, ratings, and applications of DC equipment. PR: I.E. 101, 102.

205. **Electrical Machinery AC** Two hours

A study of the operation and construction of alternating current machines, includes polyphase induction motors, single phase motors, synchronous motors, converters, and rectifiers. PR: I.E. 101, 102, 204.

220. **Graphics II** Two hours

A continuation of Graphics I including sheet metal intersections and developments. Transition pieces, square to round and round to round. Introductory machine drawing, working drawings, and assigned projects.

221. **Graphic Illustration** Two hours

Industrial illustrating. This course involves a study of machine design, metals, and alloys. Small machine assemblies will be drawn by the exploded view method showing all parts in relation to other parts. This type of drawing is used extensively by industry for assembly purposes. PR: 120, 123.

222. **Architectural Drafting II** Two hours

A continuation of 122, symbols, conventions, sectional views and other forms of architectural detailing for one and two living units, in compliance with the Federal Housing Authority Code.

223. **Jigs and Fixtures** Two hours

Instruction in the design of cutting tools, drill jigs, milling fixtures and press tools. Basic principles covering the proper locating, supporting and clamping of parts in jigs and fixtures. The use of company catalogs in the selection of standard tool design accessories is emphasized. PR: 120.

245. **Hydraulics** Two hours

A study of the basic concepts, principles and use of industrial oil hydraulics. Material covered will concern the generation, transmission, control and application oil hydraulic power. The laboratory sessions will be devoted to examination of hydraulic units such as pumps, (values) boosters, etc. Laboratory sessions will also be devoted to laying out typical hydraulic circuits.

260. **Basic Woodworking II** Two hours

Laboratory and lecture work in the principles and techniques of operating the power tools normally found in the woodworking industry. Emphasis is placed on the development of accuracy and safety in the use of the equipment necessary to each of the manufacturing operations.

261. **Arc Welding II** Two hours

Advanced techniques in the selection and use of heats, special rods, and fluxes used in the welding of piping and machine components made of materials other than mild steel. PR: 161.

262. **Gas Welding II** Two hours

Advanced techniques in the selection and use of heats, special rods, and fluxes used in the welding of piping, and machine components made of materials other than mild steel. PR: 162.

263. **Sheet Metal II** Two hours

A continuation from Sheet Metal I. Advanced work will be offered in lay-out problems, joints, and other typical sheet metal situations commonly found in duct work. PR: 163. Staff

265. **Hot Metal Processing** Two hours

Tools and processes involved in the shaping of metals at an elevated temperature, elementary welding, forge and foundry work in the non-ferrous metals, heat treatment, and oxide coloring.

266. **Building Construction, Industrial II** Two hours

Technical information and advanced problems of roof framing, cornice construction, exterior finish. Actual work on buildings. PR. 166.

267. **Machine Shop II** Two hours

This class leads the advanced student into the problems, and methods of solving these problems in milling machine operations. Gearing problems, equations, gear cutting methods, and the necesary related technical information forms the basis of this course. PR: 167. Mr. Leonard

270. **Strength of Materials** Two hours

A study of the behavior of materials under various types of loads. Includes stress-strain relationships, torsion, bending stress, riveted and welded joints. Laboratory work includes tension, compression, shear, impact, and hardness testing of materials. PR: I.E. 170.

274. Plastics I Two hours

A study of the technical aspects of manufacturing processes related to thermoplastic materials. Specific attention is given to types, characteristics, design principles, molding, fabricating, and finishing techniques.

279. Ceramics I Two hours

A laboratory experience including the technical aspects of clay products to include design principles, forming, decorating, and glazing techniques. The student will be encouraged to explore and develop ideas which are expressive of himself.

281. General Shop II Two hours

Designed to run concurrently with I.E. 380 to provide an opportunity for the student to build upon his experiences in General Shop I and to improve upon his understanding of the laboratory teaching situation. Laboratory experiences are in keeping with the basic industries and their function in the junior-senior high school. PR: I.E. 181.

286. Crafts Two hours

The student is encouraged to explore, experiment, and create with a variety of materials and processes through the constructive manipulation of hand, tool, and machine. The various craft disciplines are analyzed in terms of our present culture and the material crafts of our heritage.

315. Controls and Instrumentation Two hours

Analysis of direct and alternating current motor starting equipment, across the line and step starters, safety devices and remote control circuits. Basic vacuum tubes, power supplies, voltage amplifiers, phase shift circuits, and electronic motor control circuits. PR: 101-110.

316. Electronics I Two hours

Experimental study and analysis of rectification with filtering, small signal vacuum tube, amplifier transistor, single stage and cascade amplifiers. Familiarization with high fréquency and pulse equipment and measuring techniques. Use of vacuum and transistor analyzers and curve tracers. PR: 110.

320. Drafting Room Techniques I Two hours

Analysis of patent drafting, technical and legal consultation, preliminary sketch and drawings, indentures, expressions, and final drafts. PR: Six semester hours in drafting.

321. Structural Drafting Two hours

The design and checking of suitable steel sections to be used as beams, girders, lintels, columns and struts, the design of simple frames, and the use of bar joists, and open web long span joists, the design of timber beams, girders, columns, and wood floors. Different types of fasteners are discussed and vector diagrams are employed to solve for the loads of the various members of a frame. In addition to static loads, wind and impact loads are dealt with. PR: 120, 122, 222.

322. Architectural Design Two hours

A continuation of 222 in which design of houses, building materials, and specifications are studied in compliance with the Federal Housing Authority Code. Each student will develop and print a complete set of plans, specification sheets, and costs estimate for his own house.

323. **Electrical Graphics I** Two hours

Use of instruments, understanding of lines and techniques in drawing them, lettering, orthographic projection, geometric construction, dimensioning and notation, blueprinting, auxiliary projections. PR: 120, 101.

345. **Pneumatics** Two hours

Principles and practices in the use of compressed air as a form of power. Valves and controls, power pistons, pressure relief devices, and other elements necessary in the effective use of air in the operation of equipment.

360. **Metallurgy** Two hours

The solid state in metals, alloys of iron and carbon, heat treatment of steel, Martempering, Austempering and case hardening, alloy steels, tool and die steels, heat treatment of age-hardening alloys. Non-ferrous material.

366. **Construction Theory & Lab I** Two hours

Introductory course in construction materials and methods. Physical and mechanical properties of wood. Grades of wood construction. Types of construction. Cement, gypsum, and masonry materials methods. Foundations.

370. **Manufacturing Processes I** Two hours

Experience on lathes, milling machines, shapers, planers, drill presses, surface and bench grinders, bench work, use and care of micrometers and measuring tools. Application of threading, turning, facing, taper turning on lathes. Use of the plain dividing head and other milling attachments. Drill grinding. Machine shop safety regulations. Forming flat surfaces on shapers and planers. Power sawing applications.

371. **Thermodynamics** Two hours

A basic study of thermodynamic properties of substances, work and heat relationships, the conservation of energy and the various processes of an ideal gas. Extensive applications of these principles to practical problems involving heat exchanges, nozzles and steam turbines. PR: I.E. 106, 107; Physics 101, 102.

372. **Surveying** Two hours

Instruction in the use of the engineer's tape, transit, and level and the methods of recording field data in note form. Field problems associated with the theory will cover horizontal and vertical measurements, differential, profile and other leveling operations, and angular and bearing measurements with the transit. Also included is traverse layout and computing. CR: or PR: Math through Trig.

373. **Computing and Estimating** Two hours

Problems of approximate and exact methods of taking off quantities from plans; methods of arriving at lump sum and unit prices, and estimating total costs from quantities; accepted methods of itemizing preliminary and final estimates.

374. **Plastics II** Two hours

Through research and development oriented activities the student will experiment with and design products utilizing both thermo-setting and thermoplastic materials. Fabrication, molding, casting, bonding, and heat forming techniques will be studied. PR: 274.

375. **Plumbing and Sanitation** Two hours

Study of commercial and residential sanitary systems, sizing and layout of plumbing and sanitary systems, terminology and the interpretation and application of the governing codes.

376. **Heating and Air Conditioning** Two hours

Laboratory problems dealing with installation, maintenance and operation of forced warm air heating systems, hot water systems, steam and steam conversion systems, and radiant panel heating systems. System performance testing, air distribution system analysis, equipment operation and ratings. Application of automatic controls and instrumentation of heating systems. Laboratory experiments on design principles of piping systems, duct and duct fittings. PR: 163, 263.

377. **Time and Motion Study** Two hours

Fundamentals of work simplification and motion economy using the techniques of motion and time study for the development of effective methods of production.

378. **Plant Layout and Materials Handling** Two hours

A study of the economical arrangement of stocks, machines, and layout of aisles for efficient handling of materials and production.

380. **Philosophy of Industrial Arts** Two hours

Designed to give the student a historical background of the industrial arts movement as a basis for developing a philosophy as to the place and function of industrial arts in general education. PR: 381 and 12 hours of Industrial Arts courses. Mr. Johnson

381. **Organization and Administration of Industrial Arts** Two hours

Designed to aid the student as a future teacher of industrial arts. Problems of administration, shop arrangement, care of machinery, ordering of materials and supplies, and techniques of shop instruction will be studied. PR: 6 hours of Industrial Arts courses. Mr. Johnson

382. **Furniture Construction and Design** Two hours

A lecture-laboratory course in the developmental function of design, especially as it applies to the area of household furniture. Student problems include the designing of furniture and other household articles which are to be used as projects in the industrial arts laboratories. PR: I.E. 160, 260. Mr. Johnson

385. **School Shop Maintenance I** Two hours

Care, repair, and general maintenance of tools and equipment used in teaching industrial laboratory classes, and the construction of storage facilities, teaching devices, and visual aids.

386. **Industrial Arts for the Elementary Teacher** Two hours

The laboratory experiences are derived from the technology of the home, community, and world analogous to the lower, intermediate and upper elementary grades. A variety of materials, tools, and processes are utilized as each student develops his own ideas. Emphasis is also placed upon the organization and administration of such a program.

391. **Wood Finishing** Two hours

A survey course in the materials and methods commonly used in the finishing of furniture and similar articles, and readily applicable to use in high school shop situations. The various types of dyes, stains, shellacs, varnishes, lacquers, and sealers will be used on sample panels. PR: 160.

392. **Blueprint Reading** Two-Three hours

A course in the reading of the prints and drawing most commonly found in industrial operations. Emphasis is placed on the development of speed and accuracy in the use of working drawings. Mr. Johnson

415. **Electrical Maintenance** Two hours

Materials, tools, and techniques involved in the maintenance of the electrical and electronic equipment. Switches, breakers, dimmers, timing devices, single and polyphase motors. PR: 101, 315.

417. **Electronics II** Two hours

Rectification and power supplies with filters, small signal amplifier analysis, large signal (power) amplifier analysis, with vacuum tubes and solid state devices integrated throughout. PR: 316.

420. **Drafting Room Techniques II** Two hours

Advanced technical work for specialists in the drafting field. Recent developments, advanced technical and experimental work and technical reports in drafting. PR: 320. Mr. Wise

421. **Drafting, Planning, and Scheduling** Two hours

The administration practice of methods necessary to the effective use of the designing and drafting staffs in the architect's office. Legal requirements, customer relations, cost analysis. PR: 8 semester hours of achitectural or mechanical drafting.

422. **Industrial Design** Two hours

Preparation of plans for a commercial or public building. Sketching and instrument drawings, rendering, and reference to building codes. PR: Six semester hours in architectural drafting courses.

423. **Electrical Graphics II** Two hours

Industrial and communication electronics symbols; elementary and wiring diagrams for 8-C amplifier chassis; composite elementary diagram to wiring diagram of sequence controller; sketch of elementary to wiring diagram of a semi-automatic welding controller.

445. Fluid Mechanics Two hours

A study of basic concepts of fluid flow, including the Bernoulli Equation, orfices, nozzles. Also the generation and transmission of hydraulic control. PR: I.E. 371.

466. Construction Theory and Lab II Two hours

Modern steel, wood, and masonry construction design methods and practices. Problem in beams, girders, and columns. Concrete analysis. A.S.T.M. testing. Fundamentals of utilities control.

470. Manufacturing Processes II Two hours

Set up and operation of machines and turret lathes. Practice in spiral and differential indexing. Cam milling. Tool and cutter grinders. Surface grinding, machine tool setup, precision level and test bars. Construction of cemented carbide single point tools. PR: 370.

473. Contracts and Specifications Two hours

A study of some of the regular and business aspects of the law pertinent to the engineering profession with special emphasis on various types of contracts used in the construction industry. Instruction also is afforded in the field of bidding procedures and in the availability of surety bonds and insurance. Specifications are analyzed from the standpoint of design and construction features.

474. Codes and Practices Two hours

A study of the general building codes recommended by the National Board of Fire Underwriters and a detailed study of the building codes of local communities. An analysis of building types and the economical use of materials selected for construction.

477. Industrial Management Two hours

A survey of the operational, financial, marketing and accounting activities of industrial organization. A detailed survey of the duties of management as related to production, personnel, and human factors.

478. Production Controls Two hours

Current practices in production planning, routing, scheduling and dispatching, study of production standards, labor efficiency and costs, quantity and quality control.

481. General Shop III Two hours

Designed to run concurrently with I.E. 381 to permit students to experience activities demonstrative of various methods of laboratory teaching. Considerable attention is given to an analysis of the organization and administration of a general shop. PR: 281.

482. **Cabinet Making I** Two hours

A continuation of 382. The projects will be made in conformity with the drawings and specifications developed in the previous course. Advanced work in the use of machine tools, techniques, and processes will be stressed. A high level of craftsmanship will be maintained. PR: 160, 382. Mr. Johnson

485. **School Shop Maintenance II** Two hours

A continuation of I.E. 385 with emphasis on industrial application.

490. **Methods and Materials of Teaching Industrial Arts** Two hours

A course in which the particular problems and techniques of teaching Industrial Arts are dealt with. Emphasis is given to the special methods of handling demonstration, use of special teaching aids and other related problems peculiar to the Industrial Arts shop. CR: Education Block.

491. **Woodworking III** Two hours

A continuation of 260 with emphasis on the use of advanced techniques in the design and construction of home furniture. Particular attention is given to the use of veneers, inlays, overlays, and other advanced methods of enhancing the finished appearance of projects. PR: 482.

492. **Work Study Seminar** Four hours

Concepts of the construction and analysis of graphs, charts, and tables. Practical use of handbooks and industrial literature. Discussion of codes of ethics, employment opportunities, letter of application, interviews, and employment references. Engineering and progress reports on work experience.

493. **Work Experience Laboratory** Eight hours

On-the-job work experience in a cooperating industry. CR: 492.

495. **Driver Education** Two hours

A course designed to prepare the licensed driver for teaching driver education programs in high schools. A classroom and laboratory program which requires each class member to teach at least one non-driver. Pre-requisites: Upperclass status, two years of accident-free driving and Health 241, First Aid and Safety Education. Offered each semester and summer. Mr. Johnson

DEPARTMENT OF LANGUAGES AND LITERATURE

ENGLISH

102. **Written English** Three hours

College-level training in writing and speaking good English, including a short review of grammar, sentence structure, and punctuation; attention to the organization and development of thought, both in student compositions and in expository reading material; guidance in the use of reference books.

104. **Written English** Three hours

A continuation of English 102, with emphasis on reading for implication and critical evaluation; further writing projects, including a research paper.

English 102 and 104 are prerequisites for all English courses numbered 200 or above.

207. **Children's Literature** Three hours

A survey of literature desirable for children; development of principles of selection and standards of evaluation; wide acquaintance with current books.

208. **Advanced Written English** Three hours

Practice in writing in which attention to rhetorical principles is a guiding emphasis. PR: English 102, 104.

208.-R **Review of Written English** No-credit

A review course required of all students who receive a "D" grade in English 208. Emphasis is on writing and rewriting under close supervision.

251. **Survey of English Literature** Three hours

A study of the mind and temper of the English people as seen in their literature from Beowulf to the Romantic Movement.

252. **Survey of English Literature** Three hours

A continuation of English 251 through the nineteenth and early twentieth centuries.

261. **Survey of American Literature** Three hours

An historical study of the American mind as expressed in literature from Colonial times to Hawthorne.

262. **Survey of American Literature** Three hours

A continuation of English 261 to the literature of present time.

302. **Narrative and Descriptive Writing** Three hours

Practice in writing the simpler forms of fiction and personal narrative with descriptive detail.

306. **Advanced Technical Composition** Three hours

A course designed to provide practice in the writing of expository articles and reports of a technical nature largely in the field of engineering.

311. **Literature of the Romantic Period** Three hours

A concentrated study of the works of such writers as Burns, Wordsworth, Coleridge, Byron, Shelley, and Keats.

312. **Literature of the Victorian Period** Three hours

A concentrated study of the works of such writers as Tennyson, Browning, Rossetti, Arnold, Swinbourne, Mill, Ruskin, and Carlyle.

313. **Shakespeare** Two hours

A study of representative comedies.

314. **Shakespeare** Two hours

A study of representative tragedies.

317. **Word Study** Three hours

A course in the study of the origins and development of the English vocabulary. Studies in semantics, in synonyms, idioms, foreign phrases, vocabularies of the fields of action.

318. **Modern Drama** Two hours

The history of the British drama and the study of modern dramas—Continental, British, and American—from Isben to the present time.

321. **Study of the English Language** Three hours

Word history and analysis; diction; descriptive grammer and constructions; fundamentals of composition. Required of all prospective teachers of English to be taken before professional block.

322. **The Short Story** Two hours

A critical study of this art form as a representative of dramatic motivation in human experience, based upon the work of British, Continental, and American authors.

341. **Survey of World Literature** Three hours

A study in translation of some of the great writers of the world, exclusive of English and American; from Homer through Dante.

342. **Survey of World Literature** Three hours

A continuation of 341 covering the period from the Renaissance to modern times.

343. **The Current Scene in Literature** Three hours

A course showing present-day attitudes as reflected in the work of American and foreign writers.

345. **The Novel** Three hours

An historical and critical study of great British and American novels of the nineteenth and twentieth centuries.

348. **The Bible as Literature** Three hours

A study of the literary types and content of the Bible.

353. **Eighteenth Century Literature** Three hours

A study of important British writers of the period, particularly Swift, Pope, Addison, and Johnson.

360. Major American Poets Two hours

A study of leading American poets, particularly Poe, Emerson, Whitman, Dickinson, Frost, Pound, and Eliot.

371. Folk Literature Three hours

A survey course whose chief emphasis is on the study of ballads, but kindred material is also studied and collected—superstitions, hymns, riddles, stories, and songs.

413. Expository Writing Three hours

Study and practice of the various kinds of expository writing with special emphasis upon the skilled production of research papers.

420. Seventeenth Century Literature Three hours

A study of important British writers of the period, including Donne and Herrick, and emphasizing Milton.

431. Methods of Teaching English Two hours

Study and practice in the techniques of teaching the fundamentals of grammar and mechanics, composition, and the varied types of literature. Required of all students with a first field in English, and taken during the teaching block in the senior year.

FRENCH

101. Elementary French Three hours

Pronunciation, oral comprehension and speaking, reading and written drill and composition, elements of grammar. Laboratory. No credit is given for French 101 without 102.

102. Elementary French Three hours

Continuation of 101 completing the basic grammatical principles. One year of high school French is also considered as a satisfactory prerequisite for this course.

201. Second Year French Three hours

Reading of excerpts of many types of French writing, drill on difficult passages, verbs, etc. and conversation and comprehension stressed. Laboratory. PR: 101, 102 or two years of high school French.

202. Second Year French Three hours

Continuation of French 201. Comprehension, speaking, reading and writing. PR: 201. Lab used.

210. Masterpieces of French Literature Three hours

A course emphasizing reading and aural comprehensive of a wide range of French poetry, fiction, and drama. May be substituted for French 201 or French 202, with PR: 9 hours French, or permission of instructor.

301. Literature of the Seventeenth Century Three hours

Reading of the plays of Corneille, Racine, Moliere with outside reports from other classical writers. Comprehension, speaking, reading and writing all stressed. PR: Two years of college French or equivalent. Lab used.

302. **Literature of Eighteenth Century** Three hours

Authors of The Enlightenment such as Voltaire, Rousseau, Montesquieu, including all types of literature. Comprehension, speaking, reading and writing stressed. PR: Same as for 301. Lab used.

308. **French Conversation** Three hours

Intensive drill in expressions of common usage in the most frequent situations to be encountered by a student. An attempt to develop fluency in speaking and better comprehension of a variety of subjects. PR: French 202. Lab.

309. **Advanced Grammar and Composition** Three hours

Intensive review of basic grammar and study of more obscure grammatical principles developed through the oral-aural method. PR: French 202. Lab.

321. **Contemporary Literature** Three hours

This is 20th Century Literature stressing outstanding writers such as Camus, Mauriac, Maurois, St. Exupery, Gide, etc. Comprehension and speaking stressed. PR: French 202.

400. **Seminar** Three hours

This course is designed to be given the semester preceding the semester when the block is taken. It is an independent study course, preparing each student individually for his teaching. The weaknesses of the student are noted and that phase of his learning is stressed, whether speaking, comprehension, areas of reading he has missed, or writing.

421. **Nineteenth Century Literature to 1850** Three hours

The emphasis in this course is on Romanticism with reading from Chateaubriand, Hugo, Lamartine, De Musset, De Vigny. Excerpts from mid-century writers also are read such as Stendhol, Balzac, Merimee, etc. Comprehension, speaking also stressed in this course.

422. **Nineteenth Century Literature Since 1850** Three hours

The emphasis in this course is on Realism, Naturalism, Symbolism with Flaubert, Zola, De Maupassant, etc. and a number of poets of the symbolist movement read and discussed. Comprehension and speaking French stressed.

431. **French Civilization and Culture** Three hours

This is a broad study of French civilization from its very beginning to the present, dealing with the outstanding periods historically and culturally and the contributions of French to the world of culture. Comprehension, speaking, reading and writing stressed in that order. PR: 12 hours French.

GERMAN

101. First Year German Three hours

The elements of German grammar; simple reading exercises, pronunciation;written assignments. No credit for German 101 without 102.

102. First Year German Three hours

A continuation of the above course; special topics in grammar and greater emphasis on reading. PR: 101 or one unit of high school German.

201. Intermediate German Three hours

Grammar review; composition; conversation; reading of fiction. The principal aim of the course is the reading of narrative moderate difficulty. Offered in alternate years. PR: German 102 or equivalent.

202. Intermediate German Three hours

This course continues the work of German 201. Offered in alternate years. PR: German 201 or equivalent.

210. Masterpieces of German Literature Three hours

A course emphasizing reading and aural comprehension of a wide range of German poetry, fiction, and drama. May be substituted for German 201 or German 202, with permission of the instructor. Laboratory used. PR: 9 hours German, or permission of instructor.

SPANISH

101. Elementary Spanish Three hours

Grammar, pronunciation, composition, translation. No credit toward graduation is given for Spanish 101 without 102. Lab.

102. Elementary Spanish Three hours

PR: Spanish 101 or one year of high school Spanish. Lab.

201. Modern Spanish Three hours

Rapid reading, grammar and conversation. PR: Spanish 101 and 102 or two years of high school Spanish. Lab.

202. Modern Spanish Three hours

PR: Spanish 201. Lab.

DEPARTMENT OF MATHEMATICS

109. Elementary Geometry Three hours

An integrated first course of geometry for students who do not have the equivalent course in high school. This course cannot be used as mathematics credit toward certification for teaching mathematics. PR: One unit of high school algebra.

110. Basic Mathematics Three hours

An introduction to mathematial concepts underlying the traditional computational techniques. This course cannot be used as mathematics credit toward certification for teaching mathematics.

111. Intermediate Algebra Three hours

A course for students deficient in high school algerbra. This course cannot be used as mathematics credit toward certification for teaching mathematics. PR: One unit of high school algebra.

112. Intermediate Mathematics I Three hours

An introductory course of integrated algebra, trigonometry, and related topics, for students who have not had an equivalent course in high school. PR: Math 109 and 111, or equivalent.

115. Intermediate Mathematics II Four hours

An integrated course of the material traditionally offered in College Algebra and Trigonometry, and related topics. For students who have not completed an equivalent course in high school. PR: Math 112 or equivalent.

116. Calculus I Four hours

Integrated analytic geometry and calculus. PR: Math 115 or equivalent.

200. Mathematical Logic Three hours

Sentential and general theory of inference, theory of proof and definition, elementary intuitive set theory. PR: Math 115 and consent.

201. Mathematical Logic Three hours

A continuation of Math 200. PR: Math 200.

210. Mathematics for Elementary Teachers Three hours

This course is designed to meet the mathematics requirement for the certification of elementary teachers. The course is devoted to the structure of the real number system and its sub-systems, as related to the teaching of mathematics in the elementary school. PR: 110 or equivalent.

215. Calculus II Four hours

A continuation of Math 116. PR: 116.

216. Calculus III Four hours

A continuation of Math 215. PR: 215.

335. Probability and Statistics Three hours

PR: Math 215 or consent.

336. Probability and Statistics Three hours

PR: Math 335.

342. Numerical Analysis Three hours

PR: Math 216 or consent.

361. **Abstract Algebra** Three hours
PR: Math 216 or consent.

362. **Linear Algebra** Three hours
PR: Math 216 or consent.

372. **Modern Geometry** Three hours
PR: Math 216 or consent.

391. **Introduction to Analysis** Three hours
PR: Math 216.

393. **Introduction to Foundations of Mathematics** Three hours
PR: 216 and consent.

401. **Differential Equations** Three hours
PR: Math 216.

411. **Advanced Calculus** Three hours
PR: Math 216 and consent.

431. **Special Methods for Teacher Education** Two hours
PR: Consent.

DEPARTMENT OF PHYSICAL EDUCATION, RECREATION, SAFETY AND HEALTH

100.	**Personal Health**	Three hours
101.	**First Aid**	Three hours
111.	**Track and Field**	One hour
112.	**Field Hockey**	One hour
113.	**Softball**	One hour
114.	**Freshman Orientation**	One hour
115.	**Freshman Orientation**	One hour
116.	**Soccer**	One hour
117.	**Basketball**	One hour
118.	**Fundamentals Skills and Exercise**	Two-Three hours
119.	**Gymnastics**	Two-Three hours
128.	**Tumbling**	One hour
129.	**Gymnastics**	One hour

132.	**Swimming (Beginning)**	One hour
134.	**Volleyball**	One hour
135.	**Fundamental Skills**	One hour
136.	**Bowling**	One hour
143.	**Individual Sports**	One hour
146.	**Social Dancing**	One hour
148.	**Modern Dance**	One hour
202.	**Community Health**	Three hours
203.	**Safety**	Three hours
227.	**LaCrosse**	One hour
232.	**Swimming (Intermediate)**	One hour
236.	**Tennis**	One hour
240.	**Team Sports**	Two-Three hours
241.	**Individual and Dual Sports**	Two-Three hours
247.	**Folk and Square Dance**	Two hours
252.	**Philosophy and Principles**	Three hours
281.	**History and Principles of Recreation**	Three hours
282.	**Community and Industrial Recreation**	Three hours
304.	**Anatomy and Physiology**	Three hours
305.	**Kinesiology**	Three hours
310.	**School Health Problems**	Three hours
321.	**Basketball**	Two-Three hours
322.	**Football**	Two-Three hours
323.	**Baseball**	Two-Three hours
324.	**Wrestling**	Two-Three hours
325.	**Track**	Two-Three hours
326.	**Coaching and Officiating Volleyball, Hockey and Soccer**	Three hours
327.	**Coaching and Officiating Basketball, Track, Softball and LaCrosse**	Three hours
328.	**Games and Rhythms for the Elementary School**	Two hours
329.	**Physical Education Program in the Elementary School**	Two hours
351.	**History of Physical Education**	Three hours
360.	**Evaluating and Assisting**	Three hours
362.	**Organization and Administration of Physical Education**	Three hours
384.	**Camping and Youth Organization**	Three hours
385.	**Recreational Leadership**	Three hours

386. **Recreation Field Work and Inspection** Three hours

407. **Physiology of Exercise** Three hours

408. **Adapted Physical Education** Two hours

431. **Special Methods in the Teaching of Physical Education** Two hours

487. **Organization and Administration of Recreation** Three hours

DEPARTMENT OF SCIENCE

BIOLOGY

101. **Introduction to Biology** Three hours

This course and the one following constitute a year's study of the biological principles governing living things with particular emphasis on their human implications. The approach of this course was designed especially for teachers in elementary and secnodary schools by a state committee of college teachers of biology.

102. **Introduction to Biology** Three hours

Continuation of 101.

201. **General Botany** Four hours

Two lectures and two-hour laboratories each week. The first part of the semester is given to the study of the structures and functioning of the seed plant. The second part includes a survey of both lower and higher forms of plants with emphasis on reproductive structures. Basic to all other botany courses. Mr. Creasy

220. **Invertebrate Zoology** Four hours

Facts and principles fundamental to an understanding of the invertebrate animals. This course is designed for majors in zoology or biology and premedical students. Mr. Davisson

221. **Vertebrate Zoology** Four hours

A continuation of 220. Mr. Davisson

224. **Microbiology** Three hours

Two lectures and one two-hour laboratory each week. The techniques of isolating and identifying bacteria are considered. Attention is given to the several types of disease-producing microorganisms and methods of control. This is a general course designed to give the student an understanding of the importance of microorganisms in the life of man. Mr. Creasy

242. **Bio-Ecology** Three hours

This course constitutes a study of the relationship of organisms to their environment. The edaphic, climatic, and biotic factors are given consideration. Human ecology and conservation are presented where pertinent. Mr. Creasy

284. **Bio-Photography** Two hours

A course designed to familiarize students with the fundamentals of photography and its many applications in the field of biology. Some attention is given to photomicrography. Open to students that have an interest in both photography and biology.

315. **Field Zoology** Three hours

Primarily for those who teach or intend to teach biology. This course aims to familiarize students with the animal life of the State in its natural surroundings and includes the collection, identification, and study of habits of the various forms found in this region. PR: Biol. 101-102, or equivalent. Mr. Davisson

322. **Ornithology** Two hours

Field and laboratory studies on the structure, identification, migration, protection, nesting, and food habits of birds. Mr. Davisson

330. **Field Botany** Three hours

One lecture and two two-hour laboratories each week. Designed primarily for those students that plan to teach. The various groups of plants are considered in the field and laboratory with emphasis on the seed plants. Some attention is given to ecology. Mr. Creasy

340. **The Plant Kingdom** Three hours

Two lectures and one two-hour laboratory each week. This course deals with the structural characteristics of the great plant groups through the Bryophytes. Their organization, development, and reproductive structures are considered in detail. Teaching materials are compiled, techniques developed, and there are field trips on occasion. PR: Biol. 201. Mr. Creasy

341. **The Plant Kingdom** Three hours

Two lectures and one two-hour laboratory each week. Continuation of The Plant Kingdom, 340, but may be taken as an independent unit. This course covers the vascular plants including the ferns, gymnosperms, and angiosperms. PR: Biol. 201. Mr. Creasy

350. **Comparative Anatomy of Vertebrates** Four hours

PR: Biol. 101, 102 or equivalent.

371. **Plant Anatomy** Three hours

Two lectures and one two-hour laboratory each week. Attention is given to the fundamental tissue organization of the higher plants. Development and differentiation of cell types and structures are considered as they relate to the functioning of the organism as a whole. PR: Botany 201. Mr. Creasy

380. **Introduction to Genetics** Three hours

Elementary studies of the principles of heredity. PR: Biol. 101, 102 or equivalent.

390. **The Biology of Endocrines** Three hours

A study of the structure and function of the endocrine glands of animals and man, their products and interactions. A survey of natural and synthetic plant horomones is also included. Mrs. Quintrell

410. **Histological Technique** One-Four hours

The preparation and miscroscopic study of animal tissue. PR: Biol. 221 or 350. Mrs. Quintrell

411. **Histology** Two hours

An introduction to the cells, tissues, and organs of mammals. PR: Biol. 221 or 350.

415. **Problems in Biological Sciences** One-Four hours

This course is designed for students who have interest in a specific problem in biology. It should not be used as a means of meeting requirements but rather as a research course that goes beyond the usual courses in developing the student.

420. **Vertebrate Embryology** Four hours

Introductory study of the developments of the vertebrates, dealing chiefly with the frog, chick, and mammal. PR: Biol. 101, 102 or equivalent. Mrs. Quintrell

425. **Neurobiology** Two hours

An introduction to the structures and functions of the mammalina nervous system. PR: Biol. 350 or 450.

450. **Human Physiology** Four hours

An introductory course dealing with the functions of man. Mrs. Quintrell

451. **Plant Physiology** Three hours

Two lectures and one two-hour laboratory each week. All of the physiological processes of plants are considered; ascent of sap, transpiration, food synthesis, respiration, translocation, and growth and development. PR: Biology 201. Mr. Creasy

460. **Biological Colloquim** One hour

Open only to majors in the biological sciences.

480. **Principles of Evolution** Two hours

An introduction to the study of evolution. PR: Biol. 101, 102, or equivalent. Mr. Davisson

CHEMISTRY

101. **General Chemistry** Four hours

The beginning course in college chemistry; has no prerequisites. Offered only in the fall semester and first term of the summer session. Staff

102. **General Chemistry** Four hours

The second half of the first year of beginning college chemistry. Offered only in the spring semester and the second term of the summer session. PR: Chem. 101. Staff

201. **Qualitative Analysis** Four hours

Required of all students who major in chemistry. PR: Chem. 102.

202. **Quantitative Analysis** Four hours

This course will combine manual methods of volumetric and gravimetric analysis. One hour lecture and eight hours laboratory per week. Mrs. Swiger

301. **Organic Chemistry** Four hours

A study of the aliphatic hydrocarbons and their derivations. Required for chemistry majors, predental and premedical students. Recommended for students preparing to teach high school science. Staff

302. **Organic Chemistry** Four hours

A study of the aromatic hydrocarbons and their derivations. PR: Chem. 301.

305. **Structural Inorganic Chemistry** Four hours

This course is a study of inorganic chemistry based on modern atomic and molecular theory and the periodic relationship of the elements. It will consist of three lectures per week with one three-hour laboratory. Required of chemistry majors and recommended for students obtaining a teaching field in chemistry. PR or CR: Chem. 202, 301. Mrs. Swiger

350. **Instrumental Analysis** Four hours

This course will include theoretical and practical experience in modern instrumental methods. Two hours lecture and six hours lab per week. PR: Chemistry 202, 301. Mrs. Swiger

401. **Special Problems** Two hours

PR: Consent of instructor.

402. **Special Problems** Two hours

PR: Consent of instructor.

405. **Physical Chemistry** Four hours

PR: Chemistry 240-241; Math 321; Physics 102.

406. **Physical Chemistry** Four hours

PR: Chemistry 405; Math 331.

PHYSICS

101. **Introduction to Physics** Four hours

A course designed for predental, premedical, and teaching curricula. A two-hour laboratory period each week supplements the three lecture-recitation periods. Elementary principles of mechanics, sound, and heat are studied in this course.

102. **Introduction to Physics** Four hours

A continuation of 101; includes a study of magnetism, electricity, light and atomic structure.

201. **Demonstrations in Physics** Two-Three hours

Effective use of everyday materials to illustrate physical phenomena, experience with a variety of lecture equipment, and practice in planning and executing demonstrations describe the nature of this course. It is designed to serve teachers in both the elementary and secondary schools. PR: Consent of the instructor is sufficient, but a course in one of the physical sciences is highly recommended.

202. **Astronomy** Three hours

A study of motion and physical features of planets, comets, and satellites; the solar system; the earth and its satellites; stars and stellar atmosphere; and space travel.

261. **Modern Physics for Teachers** Three hours

A review of current developments in modern physics. The emphasis is on content and import, rather than a rigorous mathematical approach.

262. **Modern Physics for Teachers** Three hours

A continuation of Physics 261.

310. **Electricity and Electronics** Four hours

This course includes static electricity, direct and alternating current theory and means of transforming electrical power. The theory of the vacuum tube and electronics is introduced. Four hours laboratory and two hours lecture each week is required.

320. **Mechanics (Alternates annually with 420)** Three hours

A course in mechanics applied to the study of particles and objects in space with the general principles of astronomy and the information of rotating system in the universe. General theories of the universe and experimental facts will be presented in an elementary manner. PR: Math 215.

321. **Mechanics (Alternates annually with 421)** Three hours

A continuation of 320.

340. **Special Problems** Two-Three hours

Individual studies by advanced students of problems of special interest in the field of physics. PR: Physics 101, 102, Math 215.

420. **Introduction to Atomic Physics (Alternates annually with 320)**

Three hours

This course deals with the study of charged particles, ionization, and conduction of electricity through gases, electromagnetic radiation, and the theory of atomic structure.

421. **Introduction to Atomic Physics (Alternates annually with 321)**

A continuation of 420. Three hours

PHYSICAL SCIENCE

The two courses in General Physical Science are organized to provide students a survey of the field of the physical sciences. These courses should not be scheduled by students who plan to include physics and/or chemistry in their programs.

201. **General Physical Science** Three hours

A survey of the subjects of mechanics, heat, sound, light and electricity. No credit is allowed if credit in physics is earned.

202. **General Physical Science** Three hours

A survey of the elements of chemistry, geology, and astronomy.

412. **Science in the Elementary School** Three hours

This course is designed as "a study of modern practices and techniques in the teaching of science. Students are to be guided in developing instructional units in such areas as the earth and its atmosphere, conservation, living things (plants and animals), energy changes (machines, light, sound, electricity, and magnetism) and outer space." PR: Biol. 101, 102 and 6-8 hours in the physical sciences.

HOME ECONOMICS

101. **Principles of Clothing Construction Two hours

Basic construction processes used in simple garments for school and street wear. Problems are adapted to previous experience.

Miss Hall

102. **Advanced Clothing Construction Three hours

The use of detailed and tailored finishes and problems of fitting and management in the construction of suits and varied types of clothing. Miss Hall

103. **Principles of Clothing Selection Two hours

An analysis of the factors which influence the selection of clothing for both the family and the individual. Miss Hall

110. **Elementary Nutrition** Two hours

A study of the principles of nutrition and their application to the needs of nursing students. Mrs. Hess

*201. **Principles of Food Selection and Preparation** Three hours

Application of recent theories of food preparation and preservation as they affect the nutritive value, flavor, and appearance of food. Foods prepared are incorporated into family meals. Mrs. Hess

*202. **Advanced Foods** Three hours

Continuation of Home Economics 201; meal services with emphasis on planning, preparing and serving family meals, that will teach management of time, energy, and money. Mrs. Hess

*210. **Textiles** Three hours

Development of an understanding of the effect of fiber content, construction, and finish on the quality, serviceability, care, and cost of clothing and household fabrics. Miss Hall

303. **Nutrition** Three hours

A study of the essentials of an adequate diet and its function in the body, as a basis for planning student and family diets. PR: 201 or 202. Open to all non-majors by consent of instructor. Mrs. Hess

*305. **Nutrition in the Public Schools** Three hours

Essential nutrition information for the teacher in the public school federal school lunch programs as an integral part of the school program. Mrs. Hess
Mrs. Hess

*310. **Family Life Education** Three hours

Study of family experiences and cultural environment influencing personality development. Interaction of family members through all phases of family living. Evolution of the family from institution to companionship family. Mrs. Hess

*312. **Consumer Education** Three hours

A study of the selection of consumable goods and the factors affecting the selection such as labeling, advertising, credit, insurance, and contracts; source material provides consumer information; the consumer movement and legislation for consumers. Mrs. Hess

*315. **Home Management** Three hours

A study of the process of management as it affects the family members, their resources and their goals. Miss Hall

*316. **Household Equipment** Two hours

A study of the principles of the selection, use and care of household equipment. Mrs. Hess

*320. **Home Planning and Furnishing** Three hours

Designed to help the family analyze its needs and use its resources advantageously in the selection of housing. Development of discrimination in the selection and arrangement of furnishings.
Miss Hall

*320L. **Laboratory for 320** One hour

Gives experience in construction and renovation of furnishings for the home. Miss Hall

*330. **Child Care and Development** Three hours

The training of the child from pre-natal period through the pre-school period. Habit training and development of the child—physical, social, emotional, and spiritual training—are included.
Mrs. Hess

340. **Quantity Cookery** Three hours

Application and principles of selection and cookery to large quantity preparation. Menu making, food standards, food cost, and food service are stressed. Operations and use of equipment. Laboratory in college food service. PR: Home Ec. 303. Mrs. Hess

351. **Home Arts Three hours

The use of color, texture, design in selecting, arranging and constructing articles for the home through the techniques of weaving, stitchery, textile printing, etc. Miss Hall

402. **Tailoring** Three hours

The construction of a dress, suit, and accessories with emphasis on selection of fabric, fitting, and tailored details. Designed for evening students. Consult instructor for prerequisites. Miss Hall

431. **Home Economics Techniques** Two hours

Required for teachers. The philosophy and goals of home economics, organization of teaching materials for the five areas, selection of furnishings, and management of the department. Miss Hall

* Courses open to all students.

** Courses open to all women.

DEPARTMENT OF SPEECH AND DRAMATICS

101. **Fundamentals of Speech** Three hours

This course includes the elementary phases of oral language training. Reading aloud, short speeches, enunciation, pronunciation, parliamentary procedures. Required of all A.B. and B.S. students.

105. **Voice and Diction** Three hours

Theory and practice of speech science to provide basic information prerequisite to further speech study and to improve the skills of the speaking voice. Required of speech majors, minors, and music students. Miss Lough

107. **Speech Improvement** Two hours

Designed for students who wish to improve the quality of their speaking voices. Training in pronunciation, enunciation, and voice production in order to develop standard speech. Therapy for major speech defects is not administered. May not be substituted for Speech 105.

120. **Theatre Appreciation** Two hours

Study of drama as it occurs on stage, in movies, and in radio and television in order to form a critical appreciation of its purposes and effects. Mr. Hanks

151. **Play Production** Two hours

Play production methods for the educational theatre. Theory and practical experience in the mounting of plays for public performance. Required of all speech majors and minors. Mr. Hanks

152. **Theatre Workshop I, IV** Variable Credit

Directed, practical experience in production of plays for public performance. Scenery design and construction, lighting, properties, costuming, etc. PR: Speech 151 or permission of instructor. Mr. Hanks

210. **Advanced Spoken English** Three hours

Development of ability to communicate in clear, effective, correct English; with emphasis on preparation and delivery of representative types of speech. Special attention given to speech problems of teachers and their students. PR: English 102-104. Required of all A.B. in Education students. Staff

221. **Oral Interpretation** Two hours

A study of principles involved in the effective transmission of thoughts from the printed page to an audience. Required of all speech majors and minors. Mr. Hanks

222. **Advanced Oral Interpretation** Two hours

A study of special problems of interpretation in the areas of dramatic literature, prose, and poetry. Mr. Hanks

237. **Effective Speaking** Two hours

Designed to give advanced speech students training in preparation and presentation of persuasive speeches. Required of all speech majors and minors.

243. **Debate** Two hours

Theory and practice of argumentation and debate. Required of all speech majors and minors. Miss Thralls

244. **Intercollegiate Debate** Variable credit

Training for and participation in individual debates with teams from other colleges and universities and tournament debating throughout the Eastern United States. Miss Thralls

245. **Oratory** Variable credit

Study of origin, historical influences, and changing aims of oratory. Practice in development of memorized speeches for competition. Required of all speech majors and minors. Miss Thralls

251. **Acting** Two hours

Theories and methods of acting for the stage. Practical acting experience in student and faculty directed scenes and one-acts. Required of A.B. in Education Speech majors. Mr. Hanks

252. **Acting Workshop** Variable credit

Practical experience acting in school productions. Mr. Hanks

301. **Make-up** On hour

Fundamentals of theory and technique of applying theatrical make-up, including laboratory and practical experience.

301L. **Advanced Make-up** One hour

Application of theatrical make-up for public performances. Mr. Turley

321. **Summer Theatre: Rehearsal and Performance** One-Three hours

Systematic rehearsal and public performance with the Masquers Town and Gown Summer Theatre. Designed for students who desire stage training and experience.

322. **Summer Theatre: Production and Management** One-Three hours

Experience in every phase of theatrical production and some phases of theatre management. Experience includes set designing and constructing, lighting, costuming, make-up, box office, house managing, and publicity.

330. **Fundamentals of Radio and Television** Two hours

A familiarization course in modern studio practice, use of broadcasting and recording equipment, and preparation of programs, with some work in radio and television speech and announcing. Required of all speech majors. Mr. Turley

331. **Children's Drama** Two hours

The theory and observation of the arts of creative drama for children and children's theatre. Miss Lough

331L. Children's Drama Laboratory One hour

Practical experience in the arts of creative drama for children and children's theatre. PR: Speech 331 or permission of instructor.
Miss Lough

334. Radio and Television Production Two hours

Production of and participation in actual broadcasts. A study of the techniques used in programming, directing, continuity writing, and music and sound effects. PR: 2 hours of speech or permission of instructor.
Mr. Turley

334L. Radio and Television Production One hour

Continuation of Speech 334 with extensive studio practice.
Mr. Turley

336. Play Directing Two hours

Principles and techniques of play directing. Special attention given to directing problems in educational theatre: play selection, budgeting, casting, mounting and staging, public relations, and coordination of crafts. Required of all speech majors. PR: Speech 151 or permission of instructor.

336L. Play Directing Laboratory One hour

Direction and public presentation of a one-act play. Required of all speech majors. PR: Speech 336.

345. Speech Problems of Children Three hours

Designed for classroom teachers and parents. Study of normal development of children's speech and preventive, diagnostic, and remedial techniques for speech defects. Special attention is given to phonetics and eartraining. May not be substituted for Speech 430.
Staff

401. Extemporaneous Speaking Variable credit

Study of origin, aim and development of extemporaneous speeches. Preparation for competition. PR: Speech 101 or permission of instructor.
Miss Thralls

430. Speech Correction Three hours

An introduction to the field of speech therapy. Emphasis placed on identification of all speech defects, their diagnoses, and preventive and remedial techniques. Required of all speech majors.
Miss Lough

440. Speech and Dramatics Seminar One hour

Directed study in any of the five fields of speech: public address, speech correction, interpretation, theatre, or radio-television. Designed for Junior and Senior speech majors and minors. PR: Permission of instructor.

SERVICE COURSES

GEOGRAPHY

210. **World Regional Geography** Three hours

An introductory course in geography with major attention to the principles and concepts of the subject and a detailed study of the geographical regions of the world.

320. **Human Geography** Three hours

A world survey of man's utilization of the earth, with emphasis on the inter-relationship of cultural life and natural environment.

GEOLOGY

201. **Physical Geology** Three hours

This course is given to a description of the composition and structure of the earth and the physical processes bringing about changes of the surface of the earth.

302. **Historical Geology** Three hours

The geologic history of the earth and the evolution of animal and plant life as revealed by the rocks.

JOURNALISM

240. **Reporting** Three hours

Fundamentals of reporting; gathering, evaluating, and writing news; emphasis on general reporting and writing for specialized fields. Valuable as a vocational try-out and for making the student a better newspaper consumer. Teachers who will be sponsoring student publications should have this basic course or equivalent. Open to second semester freshmen and above.

270. **Communications in Society** Two hours

A course which reflects the current and important interests in public opinion and propaganda; the influence of old and new forms of communication on the social order; why and how people react to advertising, news publicity, propaganda, and public relations efforts.

271. **The Newspaper and Society** Three hours

An arranged course providing practical experience on the college organ of a political party to the social instrument of today; present practices and principles of the press; the evolving code of ethics and influence of the newspaper; its competition with radio, television and facsimile.

312. **Publication Problems** Three hours

A practical course for teachers who may supervise a school newspaper, yearbook, or handbook; for those who may work on a company newspaper or house organ or in an advertising department; helpful to anyone charged with producing a publication. Problems of staff organization, training, finance, format, type, headlines, etc. will be covered.

340. **Journalism Practice** Two hours

An arranged course providing practical experience on the colloge newspaper, yearbook, local daily newspaper, radio station, plus guided reading in the student's field of major interest; for example, writing for radio, newscasting, magazine article writing, newspaper business management, circulation promotion, public relations, advertising. PR: Journalism 240 or consent of instructor.

341. **Journalism Practice** Two hours

Continuation of Journalism 340.

LIBRARY SCIENCE

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~~300.~~ **Reference and Bibliography** Three hours

A study of basic reference books, especially those useful in school libraries. Problems in evaluating and using reference books and bibliography making. Mr. Masters

302. **Cataloging and Classification** 2-[illegible] Three hours

An introduction to principles of cataloging and classifying many types of books used in school libraries.

304. **Organization and Administration** Three hours

A study of organization and administration of the school library and its place in carrying out the objectives of the school program. ~~PR: 300 and 302.~~

~~306.~~ **Library Materials** Three hours

~~308.~~ **Library Practice** Three hours

Individual work based on students previous experience and related to student teaching when possible. PR: 300, 302, 304.

PHILOSOPHY

200. **Introduction to Philosophy** Three hours

A survey of the principal problems arising out of man's attempts to organize his experience and direct his existence.

300. **Logic** Three hours

An analysis and exposition of the requirements for justifiable deductive and inductive reasoning. The principles of rational argumentation and inference in scientific methods are emphasized.

325. Ethics Three hours

An historical study of the basis of judging human actions right and wrong, good and bad. The main classical positions are evaluated and the impact of contemporary knowledge upon the central problems of ethics will be discussed.

350. Comparative Religion Three hours

Description and analysis of the philosophical systems underlying the major non-Christian religions. Attention will be focused upon the historical and psychological development of religious beliefs.

DEPARTMENT OF NURSING

Nursing 100, Medical Science in Nursing Two hours

Emphasis on anatomy and physiology related to clinical practice.

Nursing 101, Fundamentals of Nursing Five hours

The study of nursing care common to all patients and the scientific principles underlying that care. Topics include: factors affecting health; nurses' role in relation to patients care; the use of problem-solving methods in planning care; development of basic interpersonnel and technical skills. (4 hrs. lec., 4 hrs. lab.)

Nursing 102, Maternal and Child Health Nursing Eight hours

Family-centered approach to the care of the mother and child. Emphasis is on the normal maternity cycle, growth and development and the community agencies available for care to infants and children. Deviations from health is limited to conditions found only in the general area of maternity and in the pre-adolescent age group.

Nursing 201, Medical-Surgical Nursing I Eight hours

Study of the major health problems that affect all age groups. Emphasis is on the commonality of problems as they relate to nursing.

Nursing 202, Medical-Surgical Nursing II Eight hours

Continuation of Medical-Surgical I.

Nursing 203, Psychiatric Nursing Six hours

Concerned primarily with the area of functional disorders with major emphasis on interpersonal relationships, group relationships, the impact of hospital cultural patterns on patient therapy, newer methods of treatment and the community aspects of the mental health problems. (Off campus summer session)

Nursing 204, Trends in Nursing Three hours

Concerned with the development of nursing as a profession and the rights and responsibilities of practioners within the profession.

CAMPUS ACTIVITIES

STUDENT GOVERNMENT ORGANIZATIONS

The Student Government Organization is composed of all students regularly enrolled in Fairmont State College. All of its officers are students and all business is conducted by them. Through this organization student programs and many other activities are undertaken. A student activity fee is collected from all students. This fee covers the cost of student activities and entitles the student to attend all athletic contests, major dramatic productions, and other special programs.

STUDENT COUNCIL

The Student Council is the executive board of the student government organization. It consists of five student body officers, all class presidents and vice presidents, one member elected by the interfraternity-panhellenic council. one member elected by the honorary and professional organizations, one member elected by the non-fraternity group, and one faculty representative appointed by the president of Fairmont State College.

One of the principal assignments of the Student Council is to meet at the beginning of each semester to determine the allocation of the student activity funds among the various campus activities and organizations. The budgets prepared are then published so that all students may know for what purposes their fees are being used.

STUDENT AND FACULTY SOCIAL CABINET

The Student-Faculty Social Cabinet is composed of representatives of students and faculty under the chairmanship of the vice president of the Student Council. The campus social program for the school year is arranged through this cabinet.

INTERFRATERNITY-PANHELLENIC COUNCIL

The Interfraternity-Panhellenic Council is an organization of all Greek letter social organizations. It governs the joint activities of the social fraternities and sororities.

CLASS ORGANIZATIONS

Each academic class has assigned activities and operate through their officers and the student government.

CLUBS AND HONOR SOCIETIES

Fairmont State College students have organized a number of clubs and honorary organizations for the promotion of interest in various subject matter fields, for the recognition of outstanding achievement in various campus activities, and for general social purposes. A list of the currently active organizations of this character follows:

Clubs

Academy of Science
Future Teachers of America
Fu-Se-Fa (Secretarial)
Home Economics Club
Independents
Industrial Arts Club
Inter-Varsity Christian Fellowship
Lettermen's Club
Masquers (drama)
Music Educators National Conference
Newman Club
Pi Kappa Phi (Language)
Roger Williams Fellowship
Student National State Education Association
United Campus Christian Fellowship
Wesley Foundation
Women's Recreation Association
Young Democrats
Young Republicans

Honorary and Recognition Societies

Alpha Alpha Alpha—Business
Alpha Phi Gamma—Journalism
Alpha Psi Omega—Dramatics
Beta Beta Beta—Biology
Blazers—Senior Women's Honorary
Die Wissenschaften—Scholarship
Epsilon Pi Tau—Industrial Arts Honorary
Kappa Delta Pi—Education
Kappa Gamma—Forensics
Alpha Lambda Sigma—Athletics
Lambda Delta Lambda—Physical Science
Pi Alpha Phi—Language
Pyramid Society—Men's Honorary
Sigma Tau Delta—English Honorary

SOCIAL ORGANIZATIONS

Fairmont State College students have organized and maintained a number of social fraternities and sororities. These organizations provide a medium for social activities and social training. They are regulated by the Men's and Women's Panhellenic Associations, which strive toward high standards of scholarship and leadership among the group and toward developing a good college spirit. These organizations are listed below:

Fraternities	Sororities
Theta Xi (National)	Alpha Xi Delta (National)
Sigma Pi (National)	Delta Zeta (National)
Sigma Tau Gamma (National)	Gamma Chi Chi
Tau Beta Iota	Sigma Kappa (National)
Tau Kappa Epsilon (National)	Sigma Sigma Sigma (National)

RELIGIOUS INTERESTS

Fairmont State College maintains a close relationship with the religious organizations of the city. During Freshman Orientation ministers of local churches of all faiths are presented. Announcements of services and special programs are posted on a bulletin board in the administration building.

Organized groups on campus are The Baptist Student Movement, The Newman Club for Roman Catholics, The Inter-varsity Christian Fellowship, a non-denominational group, and The Wesley Foundation sponsored by the Methodist Church.

Services of ministers in any capacity are available to the campus at all times.

PUBLICATIONS

The Columns is the student newspaper published semi-monthly throughout the regular college year with the exception of examination and vacation periods. The Publications Board, representing students and faculty, approves the selection of staff members from a list presented to the Board by the faculty adviser. Consideration is given to those students who have done acceptable work in Journalism or who have had practical experience on publications. **The Columns** is named for the eight stately columns at the front of the Administration Building. It is financed by student fees and advertising.

The Mound is published annually by the students. The administrative officers of the staff are approved by the Publication Board from a list presented to the Board by the faculty adviser. All phases of college life are depicted in the annual, largely by pictures. It was named from an historic spot on a former campus. It is financed by student fees and advertising.

The Student Handbook is compiled annually under the direction of the Student Council. It contains valuable information about Fairmont State College and its varied student activities. It is of real service to new students.

View books and other promotion magazines are published at intervals by the college.

Bulletins, both daily and weekly, are posted on the bulletin boards prominently located in each building. These bulletins carry announcements of all student and faculty activities. Material for these should be left in Room 233A by noon Thursday. Bulletins are posted Friday morning for the following week. Students and faculty members should consult the Bulletin Boards daily for important announcements.

MUSIC ORGANIZATIONS

The Fairmont State College Band is a uniformed band of approximately 50 members. This organization is open to both men and women. Tryouts are held at various times throughout the year.

The musical organizations of Fairmont State College—the Chorus and the Collegiates—provide many opportunities for students interested in group singing. These groups present programs at the College assemblies, in neighboring communities, and on the radio. They also give annual public concerts. The Chorus is open to all students, but the Glee Clubs are composed of selected members of the College Chorus.

Students may participate in college ensemble programs by successful try-out.

ORATORY

A stimulating and vital program in public speaking and oratory is encouraged both on a curricular and extra-curricular basis at Fairmont State College. Students make frequent appearances before churches and clubs, and speak on radio programs. An annual competition is held for the M. M. Neely Prize. (See contests.)

INTERCOLLEGIATE DEBATING—THE DEBATE CLUB

Fairmont State College provides a very active program in debating. The Debate Club gives interested students training and experience in the art of debating and several teams are organized each year to meet the teams of other colleges and universities of the United States and Canada. Fairmont teams annually participate in at least five major debate tournaments, several contract debates at home and away, and attend the West Virginia Intercollegiate Speech Festival at Jackson's Mill. Participation in debate is open to all students.

DRAMA

Fairmont's drama department has received national recognition; for here was organized in 1925 the national honorary drama fraternity Alpha Psi Omega. Also Delta Psi Omega, junior college drama honorary, and the Thespians, high school drama society, had their inception at Fairmont State College.

Each year the Masquers, the student drama organization, offers a full season of theatrical productions of varied style and period to student-community audiences. Also several student and faculty directed one-acts are presented throughout the season and are open to the public. Acting and production work for these plays are open to the student body and memberships in Masquers and Alpha Psi Omega are earned through participation in these theatre activities.

SUMMER THEATRE

During the summer term the Masquers Town and Gown Summer Theatre presents four major productions. Students enrolled in Summer Theatre (Speech 321-322) work with interested and experienced members of the community in order to bring a program of light summer theatre fare to Northern West Virginia theatre-goers.

In addition the drama department offers Saturday classes in theatre to children of the community between the ages of 5 and 15. These classes result in performances of scenes and one-acts by the children for the public.

ASSEMBLIES AND SPECIAL FEATURE PROGRAMS

A limited number of general assemblies are held each semester. The schedule is flexible insofar as the hour is needed for the meetings. The purpose of the assemblies is to provide programs of an educational or entertainment nature and to celebrate special occasions. The general chairman is a faculty member who acts as expediter of the year's program schedule. These programs, which are free to all students and faculty members, are financed by allotments from the student activity fund.

CONTESTS

The Frank C. Haymond Constitutional Essay Contest

In order to encourage a greater interest in and appreciation of the United State Constitution, Judge Frank C. Haymond, 1906 has established annual awards of $50, $25, and $10 for the three best papers submitted on the general theme "The Constitution," by regularly enrolled students. Papers are required to be from one thousand to thirty five hundred words in length and are due on or before April 15 each year. Interested students should apply to the chairman of the Department of History and Political Science.

The M. M. Neely Oration Contest.

For many years the late Senator M. M. Neely offered an award of $100 dollars for excellence in oratory. It is hoped that this contest, open to all regularly enrolled students of the College, may be continued. A faculty committee is in charge of this contest. Interested students should apply to the chairman of the Speech and Dramatics Department.

COLLEGE RADIO PROGRAM

"Campus Highlights," a weekly radio program, is produced by the radio department of Fairmont State College. It has been a regular feature of Station WMMN since 1929. These programs are, for the most part, student productions. Any student at Fairmont State College may audition for radio work. A modern studio is located on the ground floor of the Administration Building.

"Campus Highlights" is also a regular feature of other radio stations of the area.

In addition to the radio programs the college presents a number of television shows each year through the facilities of stations WBOY, Clarksburg, and WJPB, Weston.

INTRAMURAL SPORTS

A regular program of intramural sports is sponsored for the benefit of all students. Teams, contests, and various activities are organized for competitive play among the various groups and organizations. The pool is open for intramural and recreational swimming at certain times. Such facilities as the conditioning room are open for individual and group participation. This is under the supervision of staff members who direct the overall program. Individual participation with selected equipment is in the offering for those interested and concerned with their own development, and not with team participation.

The intramural program includes the following activities: speedball, touch football, tennis, volleyball, basketball, relays, softball, horseshoes, outdoor track, badminton, swimming, archery and foul throwing.

The college realizes that its curricula must be designed to meet the educational needs of the integrated personality of the individual student; this type of intramurals affords such an opportunity.

As the demand for more activities developes the facilities will be increased and the program broadened.

INTERCOLLEGIATE SPORTS

Fairmont State College sponsors an intercollegiate athletic program in football, basketball, baseball, cross country, golf, tennis, soccer, swimming, track, and wrestling. There are unusually fine indoor and outdoor facilities and equipment for physical education and recreation. Every young man in college is free to participate in any one or more of the intercollegiate sports and in all recreational activities. Men making up the different teams are not a pre-selected group.

ATHLETIC POLICY

The program of intercollegiate sports at Fairmont State College is supervised by a director of athletics who also serves as chairman of the Physical Education Department. He is assisted in the planning of the program by an athletic committee of the general faculty, and he is assisted in the coaching by three full-time members of the physical education and recreation departments and by part-time coaches of tennis, golf, soccer and swimming, drawn from other qualified members of the staff.

The general objectives of the intercollegiate sports program at Fairmont State College are to teach young men the values of sportsmanship, good physical conditioning, and the disciplinary and social values of organized team play. Specific values include the training afforded prospective coaches and physical education instructors through participation, and the possible acquisition, to some extent, of experiences and skills which may furnish recreational outlets following graduation.

In pursuance of the policies recommended by the North Central Association, the following minimum standards governing intercollegiate athletics are maintained:

1. The ultimate responsibility for the conduct of the athletic program rests with the President.
2. The members of the coaching staff are regular members of the faculty and have the same professional status, qualifications, salaries, and tenure as other faculty members.
3. Students participating in athletics are admitted by the Director of Admissions on the same basis as other students. Athletes are required to maintain the same academic standards as non-athletes.
4. The award of scholarships, student loans, and student employment to an athlete is made through the same agency of the College and on the same basis, as grants of aid to all other students. All employed students are required to give full and honest work for pay received.
5. All athletic funds are handled by the Business Manager of the College. An audit of the receipts and disbursements of these funds is made annually by the auditors of the West Virginia Tax Commissioner for the benefit of the West Virginia Board of Education and other interested parties.
6. The College does not bring prospective athletes to the campus for tryouts, nor does it pay the expenses involved in college visitations by such persons.
7. An effort is made to compete only with colleges having similar educational and athletic policies.
8. Fairmont State College is a member of the West Virginia Intercollegiate Athletic Conference, and athletic participation is regulated and controlled by the eligibility rules of the Conference. Copies of these rules are on file in the Office of the Director of Athletics.

AWARDS

At Recognition Day exercises, held near the close of each college year, awards are granted to students for outstanding achievements in various campus activities. Among these awards are the following:

For outstanding achievements in scholarship, leadership, service, and character, gold keys are presented to the Four Outstanding Seniors, selected by a faculty-student committee; certificates to the seniors elected to Who's Who Among Students in American Colleges and Universities; American Legion Medals to a senior man and senior woman; MENC plaque presented to outstanding senior music major.

Letters are given to the five band members who have achieved a 3.0 average for at least five semesters; a key by Pi Gamma Mu to the senior among the social science majors who has the highest academic average; medals and other prizes to outstanding students in business administration, science, secretarial practices; cash awards by the Fairmont Woman's Club to the best freshman writer, to the most worthy senior girl by the American Association of University Women's Club through their Edna Earl Lowe Memorial fund, the Louise Leonard Memorial award for best achievement in elementary education.

The speech department presents cash awards to the winners of the M. M. Neely oratory contest and the Judge Frank C. Haymond Constitution essay contest.

At the same time special recognition is given to those freshmen who achieved a quality point average of 3.5, or better, during the first semester of their beginning year. The Blazers, senior women's honor society announces at this time the names of the women of the junior class elected to the organization; and the Pyramid Society, men's honor society, names its new members and recognizes the outstanding freshman man of the year.

Athletic awards are usually made during special sessions at athletic contests or at the annual athletic banquet.

ALUMNI

The Alumni Association of Fairmont State College is the official organization of all graduates and former students of the "old" Fairmont State Normal School, Fairmont State Teachers College, and Fairmont State College.

The history of the Alumni Association goes back almost to the founding of the institution. A meeting was held on Commencement Day, June 27, 1873, at which time the twenty-nine graduates formed the Association.

Events of special interest to Alumni members include the Annual Homecoming celebration held in the fall semester. An Alumni Luncheon and a reception for the graduates, the alumni, and friends of the college are events of Commencement Week. A Fairmont State College open house is held in connection with the annual meeting of the West Virginia Education Association.

Information concerning the Alumni Association may be had by writing to the Alumni Secretary, Fairmont State College, Fairmont, West Virginia.

SPECIAL SERVICES

THE SUMMER SESSION

Fairmont State College offers a ten-week summer session each summer. This session is made up of two terms of five weeks each.

The requirements for admission and the character of the work offered are the same for the summer session as for the regular year. Credit may be earned in all departments toward the bachelor's degree. Courses are varied from summer to summer so that students may find suitable work with which they can build up their earned credit toward a degree or certification. For information relative to summer session fees see page 29.

All activities and facilities of the campus are available to students during the summer session. The student body is organized under its own leadership at the beginning of each session. Under their leaders, and certain members of the faculty, a general program of social, recreational, and dramatic events is scheduled.

Fairmont State College always sponsors a number of special features in connection with each summer session. Announcements of such features will be made from time to time by means of press releases, radio announcements and special information sheets.

Special bulletins for the summer session are prepared for distribution. Those interested in working toward a degree, or in renewal of certificates, or in pre-professional courses, or in refresher courses, write for the Summer Bulletin. Address, Registrar, Fairmont State College, Fairmont, W. Va.

EVENING CLASSES

Evening classes are operated for the benefit of persons whose employment makes attendance in regular day classes impossible. Classes are ordinarily held on Wednesday evening during the hours from 6 P.M. to 10:00 P.M. These classes are considered as work done in residence.

In accordance with regulation of the State Board of Education, teachers under contract are limited to a total of nine semester hours of credit during the period of employment each year with a maximum of five credit hours per semester.

EXTENSION CLASSES

Upon request, and when it is possible to provide suitable staff, Fairmont State College will offer off-campus courses to interested groups in the general area of the state it serves. Ordinarily, an enrollment of ten or more persons is necessary before any extension courses may be offered. The enrollment fee is $7.50 per semester hour.

Extension courses may be taken either for credit or without credit, excepting those courses listed definitely as non-credit courses. Students enrolling in extension courses for credit must satisfy all the requirements for admission to Fairmont State College. The work given for credit in extension courses corresponds, as to class requirements, with that given in similar courses on the campus. The credit, however, is recorded as extension credit, and not more than 28 hours of such credit may be included in any student's 128 hour requirement for graduation.

Individual or groups desiring information about extension courses should contact the Dean of the College.

FACULTY MEMBERS

Absher, Roberta R., (1965), *Instructor of English*; B.A., Shepherd College; M.A., West Virginia University.

Allen, Joe C., (1965),*Assistant Professor of Commerce;* B.S., Pfeiffer College; M.A., Appalachian State Teachers College.

Amos, Raymond E., Jr., (1965), *Assistant Professor of Biology,* B.S., Fairmont State College; M.S., and Ph.D., West Virginia University.

Anderson, Patricia M., (1965), *Instructor of Nursing Education;* B.S., Medical College of Virginia.

Ayers, Phyllis L., (1956), *Associate Professor of History and Social Science;* B.S., Carnegie Institute of Technology; M.A., Ph.D., University of Pittsburgh.

Boram, William A., (1963), Chairman, Department of Language and Literature; *Professor of English;* B.A., Glenville State College; M.A., West Virginia University; Ph.D., University of Pittsburgh.

Brand, Pauline H., (1964), *Assistant Librarian;* B.A., Fairmont State College; M.A., West Virginia University; M.L.S., University of Pittsburgh.

Brooks, James, (1964), *Assistant Professor of Art*; B.F.A., M.F.A., State University of Iowa.

Burns, Ruth A., (1965), *Instructor of Commerce;* B.A., Fairmont State College; M.A., West Virginia University.

Cannon, George E., (1962), *Assistant Professor of Psychology;* B.A., Fairmont State College; M.A., West Virginia University. Candidate for Ph. D. Degree.

Cecil, Carl Edwin, (1963), *Assistant Professor of Educational Psychology,* B.A., Marshall University; M.A., and Ed.D., West Virginia University.

Collins, Edmund E., (1949), *Professor of Physical Science;* B.A., and M.A., West Virginia University; Ed.D., University of Pittsburgh.

Conrad, Hunter J., (1961), *Director of Student Personnel and Placement;* B.A., Glenville State College; M.A., West Virginia University.

Copeland, Margaret E., (1952), *Assistant Professor of English;* B.A., West Virginia University; M.Ed. University of Mississippi.

Cox, Homer W., (1959), *Business Manager;* B.S., Marshall University.

Creasy, William D., (1954), *Professor of Biology;* B.S., West Virginia Institute of Technology; M.S. West Virginia University; Ph.D., State University of Iowa.

DAVISSON, A. PAUL, (1947), *Associate Professor of Biology;* B.S., University of Kentucky; B.A., Fairmont State College; M.S., West Virginia University.

DILLON, ROXY DOWNS, (1961), *Dean of Women;* B.A., Fairmont State College; B.S., and M.A., West Virginia University.

DODGE, MARGARET, (1965), *Instructor of Nursing Education;* B.S., West Virginia University.

DONOGHUE, DENNIS J., (1965), *Instructor of Political Science;* B.S., and M.A., Central Michigan University.

DULING, GALEN F., (1964), Coordinator of Educational Field Services; *Associate Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

DUNLEVY, JAMES O., (1965), *Instructor of Mathematics; B.S.,* College of Steubenville; M.A., Arizona State College.

DUNN, BILLY G., (1956), *Associate Professor of Business Administration;* B.S., Concord College; M.S., University of Kentucky; Ed.D., West Virginia University.

DUVALL, HAROLD S., (1952), *Associate Professor of Physical Education;* B.A., Fairmont State College; M.A., Columbia University.

ECKLES, LARRY EDWARD, JR., (1964), *Associate Professor of Languages; B.A.,* and M.A., Western Reserve University; Ph.D., University of Paris.

EDGELL, FRED B., (1962), *Professor of English;* B.A., Salem College; M.A., West Virginia University; Ph.D., Ohio State University.

ERB, REBA SMITH, (1964), *Instructor of French and English;* B.A., and M.A., West Virginia University.

FEASTER, ESTON K., (1960), *President;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., The George Washington University.

FORD, ELEANOR M., (1946), *Associate Professor of Physics;* B.S., and M.S., West Virginia University.

FOWLER, DWIGHT, (1956), *Director of Technical and Industrial Education;* B.S., West Virginia Institute of Technology; M.Ed., Wayne University.

FRYE, NEIL, (1961), *Assistant Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

GRAGSON, WESLEY M., (1957), *Assistant Professor of Music;* B.S., Western Kentucky State College; Mus.M., West Virginia University.

GRAY, WAYNE T., (1951), *Professor of Sociology;* B.S., University of Nebraska; M.A., and Ph.D., University of Wisconsin.

GREGG, WAYNE E., (1962), *Instructor in Sociology;* B.A., and M.A., West Virginia University.

GULAS, WILLIAM M., (1965), *Instructor of Mathematics;* M.S., West Virginia University.

HALES, JAMES A., (1964), *Instructor of Industrial Arts;* B.S., and M.A., Kent State University.

HALL, GERTRUDE, (1950), *Associate Professor of Home Economics;* B.A., Fairmont State College; M.A., Columbia University.

HANKS, WILLIAM E., (1962), *Assistant Professor of Speech;* B.A., University of Denver; M.A., Miami University.

HAUGHT, CLEO D., (1925), *Associate Professor of Chemistry;* B.A., West Virginia Wesleyan; M.S., Ohio State University.

HESS, MELVA, (1951), *Assistant Professor of Home Economics;* B.A., Fairmont State College; M.S., West Virginia University.

HOUSE, CLIFFORD R., JR., (1947), *Associate Professor of Philosophy and English;* B.A., Kentucky Wesleyan College; M.Ed., University of Cincinnati, M.R.E., University of Pittsburgh.

JAYNES, EDGAR N., (1947), Chairman, Department of Commerce; *Professor of Business and Economics;* B.A., West Virginia University; M.B.A. Boston, University.

JOHNSON, CYRIL W., (1947), Chairman, Department of Industrial Arts Education; *Associate Professor of Industrial Arts;* B.S., Stout Institute; M.A., Ohio State University.

KERR, WILLIAM H., (1963), *Assistant Professor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

KORCHECK, ROBERT A., (1964), *Instructor of English;* B.A., St. Bonaventure University; M.A., West Virginia University.

LARUE, JAMES A., (1954), Chairman, Department of Mathematics; *Professor of Mathematics;* B.A., and M.S., West Virginia University; Ph.D., University of Pittsburgh.

LEONARD, LOY W., (1956), *Assistant Professor of Industrial Arts;* B.A., Fairmont State College; M.A., West Virginia University.

LORD, JAMES H., (1965), *Instructor of Commerce;* B.S., and M.B.A., West Virginia University.

LOUGH, JO ANN, (1956), *Assistant Professor of Speech and Dramatics; B.A.,* Fairmont State College; M.A., West Virginia University.

LUCAS, AILEEN, (1964), *Assistant Librarian;* B.A., Marietta College; B.S.L.S., George Peabody College.

MARPLE, CLORA, (1954), *Assistant Professor of Education;* B.A., Glenville State College; M.A., West Virginia University.

Mason, Frances L., (1962), *Assistant Professor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

Massay, Glenn F., (1965), *Instructor in History;* B.S., California State College; M.A., West Virginia University.

Masters, Robert G., (1960), *Assistant Librarian;* B.S., West Virginia University; M.A., George Peabody College.

McCarty, Pearl S., (1952), *Professor of English;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., University of Florida.

McKown, Gary Leonard, (1963), Chairman, Department of Science; *Assistant Professor of Chemistry;* B.S., and Ph.D., West Virginia University.

Milam, Otis H., Jr., (1953), *Registrar and Director of Admissions;* B.S., West Virginia University; M.A., Marshall University.

Miller, Martha, (1964), *Director of Nursing Education;* B.S.N., University of North Carolina; M.S., Western Reserve University. Candidate for Ed.D. Degree.

Moody, Frances, (1962), *Assistant Professor of Music;* B.A., Concord College; M.A., Columbia University.

Morgan, Mary Elinor, (1965), *Instructor of History;* A.B., and M.A., West Virginia University.

Musick, Ruth Ann, (1946), *Professor of English;* B.S., Missouri State Teachers College; M.S., and Ph.D., State University of Iowa.

Naegele, Orville D., (1960), *Assistant Professor of Geology and Geography;* B.S., and M.S., University of Cincinnati.

Nutter, Barbara F., (1964), *Instructor of English;* A.B., Fairmont State College; M.A., West Virginia University.

Petro, Flora, (1964), *Instructor of Business Education;* B.A., Fairmont State College; M.A., West Virginia University.

Pinto, Gina S., (1956), *Assistant Professor of Business Education;* B.S., and M.A., West Virginia University.

Potesta, Woodrow, A., (1948), *Associate Professor of Business and Economics;* B.S., and LLB., West Virginia University.

Pulsifer, Jack R., (1965), *Instructor of History;* B.A., Lamar State College of Technology; M.A., Northwestern University.

Quintrell, Dorothy E., (1955), *Associate Professor of Biology;* B.S., Wayne State University; M.S., University of Michigan.

Retton, Joseph, Jr., (1963), *Instructor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

RHODES, LILLIAN L., (1951), *Associate Professor of Art;* B.S., Longwood College; M.A., Columbia University.

RICHARDS, THOMAS J., (1965), *Instructor of Art;* A.B., and M.A., Marshall University.

ROBINSON, JAY E., (1959), *Assistant Professor of Music;* B.M., Western Michigan University; M.M.E., Indiana University. Candidate for Ph.D. Degree.

ROSIER, JOSEPHINE L., (1957), *Librarian;* B.A., West Virginia University; B.S.L.S., Columbia University.

SANSALONE, FRANK V., (1962), *Instructor of Commerce;* A.B., Fairmont State College; LL.B., West Virginia University.

SCHEER, WALTER R., (1965), *Instructor of History;* B.A., and M.A., Duquesne University.

SCHNEIDER, WILLIAM J., (1962), *Assistant Professor of Mathematics; B.A.,* Fairmont State College; M.S., West Virginia University.

SHAFFER, DALLAS B., (1964), *Assistant Professor of History;* B.A., University of Richmond; M.A., West Virginia University. Candidate for Ph.D. Degree.

STRAIGHT, EARL N., (1961), *Associate Professor of Journalism and Director of Public Relations;* B.A., Fairmont State College; M.A., West Virginia University.

SWIGER, ELIZABETH DAVIS, (1956), *Associate Professor of Chemistry;* B.S., and M.S., and Ph.D., West Virginia University.

TAYLOR, J. MARTIN, (1946), *Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., University of Colorado.

TETER, W. DAVID, (1964), *Instructor of Industrial Education;* B.S.M.E., and M.S.M.E., West Virginia University.

THRALLS, SUZANNE, (1962), *Assistant Professor of Speech;* B.A., Fairmont State College; M.A., University of Pittsburgh.

TRIMBLE, GEORGE D., (1965), *Instructor of English;* A.B., and M.A., Marshall University.

TURLEY, GEORGE H., (1941), *Dean of Men;* B.A., Fairmont State College; M.A., West Virginia University.

TURNER, WILLIAM P., JR., (1955), Chairman, Department of History and Social Science; *Professor of History;* B.A., M.A., and Ph.D., West Virginia University.

WALLMAN, LAWRENCE A., (1929), Chairman, Department of Speech and Dramatics; *Associate Professor of Speech and Dramatics;* B.A., and M.A., West Virginia University.

WALTERS, NELLE E., (1947), *Associate Professor of Physical Education; B.A.,* West Virginia University; M.A., George Peabody College.

WALTON, JUDITH J., (1964), *Instructor of English;* B.A., Marietta College; M.A., West Virginia University.

WEIHE, KENNETH G., (1950), *Professor of English;* B.S., College of Wooster; M.A., and Ph.D., Yale University.

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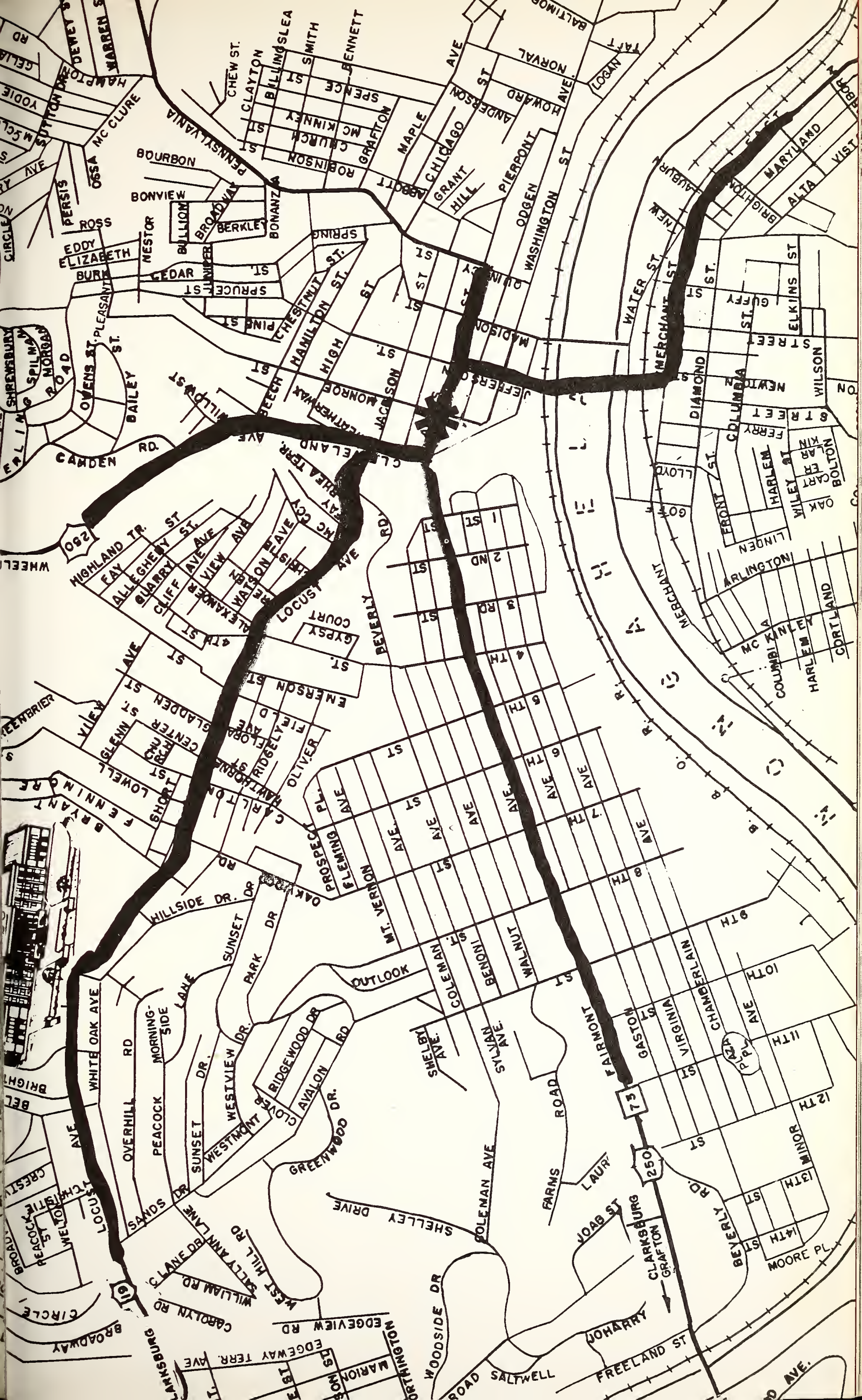

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FAIRMONT STATE COLLEGE

1967-1968

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FAIRMONT
STATE COLLEGE

Volume XCV January 1, 1967 Number 1

GENERAL CATALOG
1967-1968

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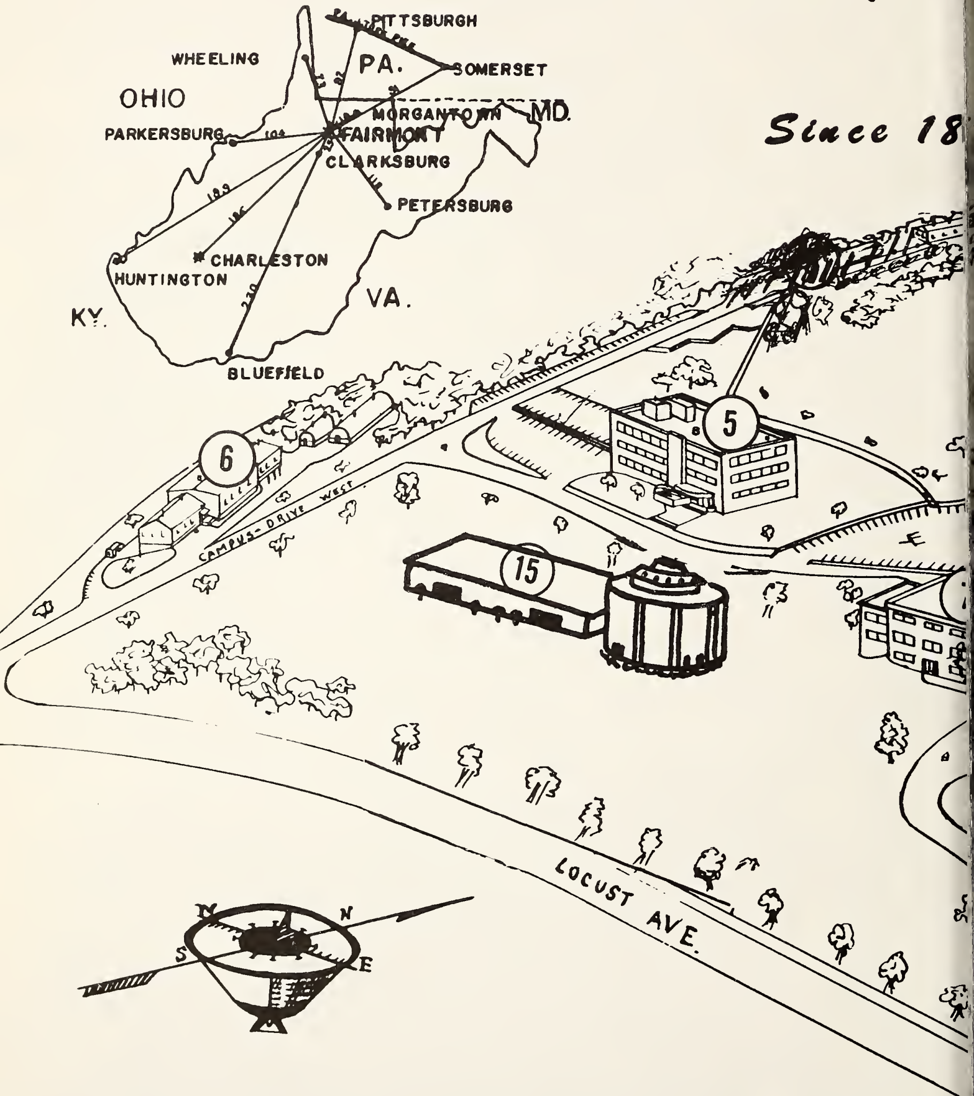
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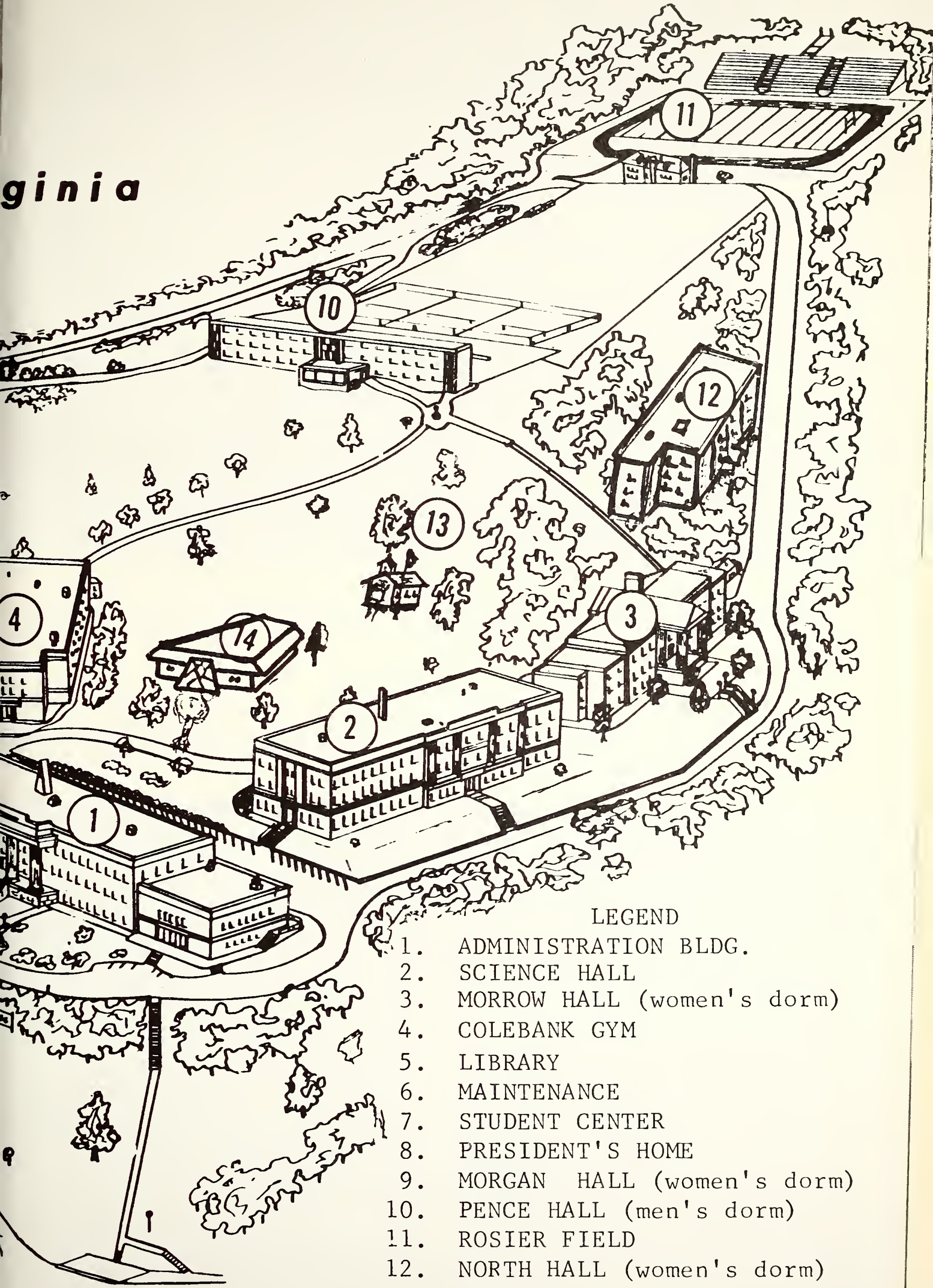

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2. SCIENCE HALL
3. MORROW HALL (women's dorm)
4. COLEBANK GYM
5. LIBRARY
6. MAINTENANCE
7. STUDENT CENTER
8. PRESIDENT'S HOME
9. MORGAN HALL (women's dorm)
10. PENCE HALL (men's dorm)
11. ROSIER FIELD
12. NORTH HALL (women's dorm)
13. MUSEUM
14. DINING HALL
15. ARTS BUILDING

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STUDENT CENTER—*The busy center for campus student activity. Also houses College Book Store in basement and snack bar on center floor.*

SCIENCE HALL—*Large brick structure housing departments of mathematics, natural and biological sciences, home economics and business administration.*

LIBRARY—*Three-story modern brick structure with air conditioned rooms and over 60,000 volumes. Contains film room, foreign language listening rooms and special study areas.*

NORTH HALL—*One of the newer buildings on campus and housing 150 women students in beautiful surroundings with cafeteria service in adjoining building.*

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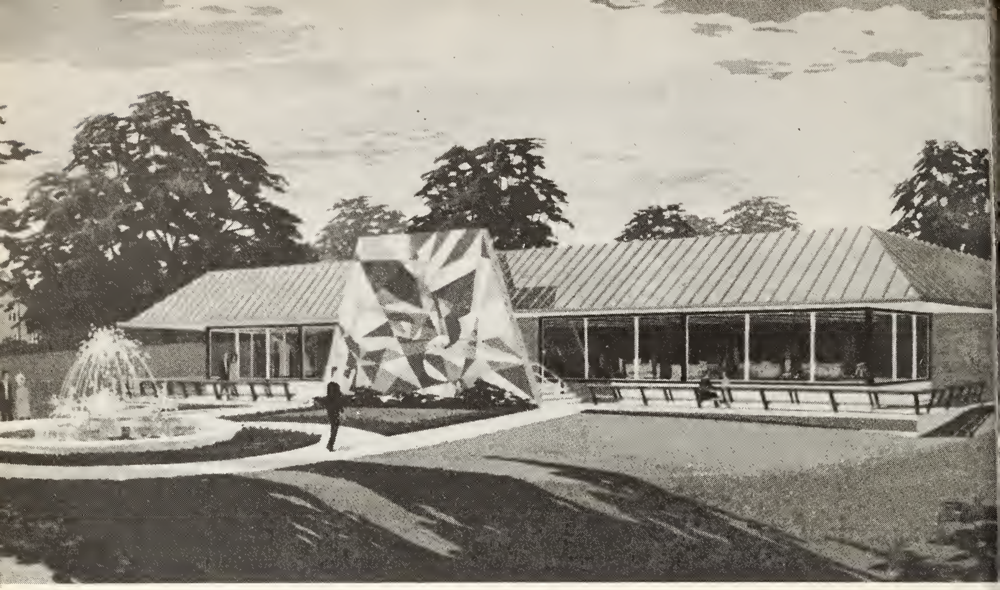
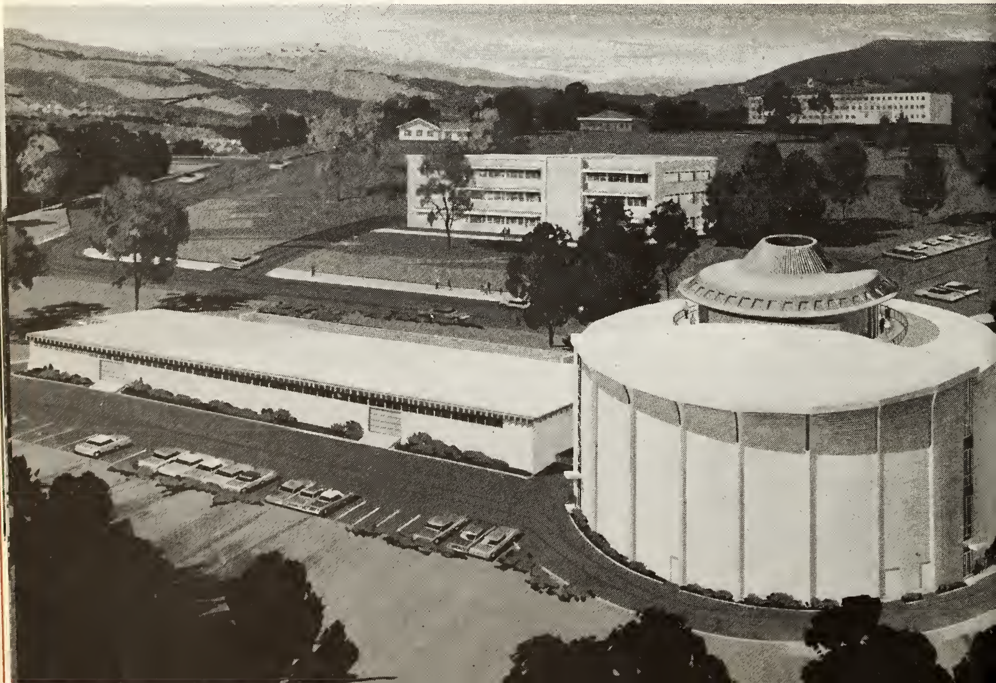


DINING HALL—*Its unusual structure and design helps to enhance the new look on Fairmont State's campus as well as to feed its many students and faculty three times a day.*

ARTS BUILDING—*The new and modern two-million-dollar structure was completed in 1966 to house the fine and applied arts divisions with 70,000 square feet of floor space.*



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CALENDAR FOR 1967-1968

FIRST SUMMER SESSION

June	19	Monday	Registration First Summer Session
June	20	Tuesday	First Class, First Summer Session
June	20	Tuesday	Last day for registration and/or changes in schedule
June	21	Wednesday	Last day for making application for summer graduation
July	4	Tuesday	Classes not in session
July	21	Friday	First Summer Session ends

SECOND SUMMER SESSION

July	24	Monday	Registration Second Summer Session
July	25	Tuesday	First Class, Second Summer Session
July	25	Tuesday	Last day for registration and/or changes in schedule
Aug.	25	Friday	Second Summer Session ends

FALL SEMESTER

Sept.	11	Monday	Freshmen arrive
Sept.	11-14	Monday - Thursday	Orientation
Sept.	15	Friday	Registration
Sept.	18	Monday	Classes begin
Sept.	21	Thursday	Last day for registration and/or schedule changes
Nov.	10	Friday	Mid-semester reports due
Nov.	10	Friday	Last day for making application for January graduation
Nov.	21	Tuesday	Thanksgiving Recess begins 10:00 p.m.
Nov.	27	Monday	Classes resume 8:00 a.m.
Dec.	15	Friday	Christmas recess begins 4:00 p.m.
Jan.	3	Wednesday	Classes resume 8:00 a.m.
Jan.	31	Wednesday	Semester ends
Feb.	1-5	Thursday - Monday	Semester break

SPRING SEMESTER

Feb.	6	Tuesday	Registration, Second Semester
Feb.	7	Wednesday	Classes begin
Feb.	9	Friday	Last day for registration and/or changes in schedule
April	5	Friday	Mid-semester reports due 4:00 p.m.
April	5	Friday	Last day for making application for June graduation
April	10	Wednesday	Easter Recess 10:00 p.m.
April	16	Tuesday	Classes resume 8:00 a.m.
June	6	Thursday	Semester ends
June	8	Saturday	Commencement 10:00 a.m.

FAIRMONT STATE COLLEGE

FAIRMONT, WEST VIRGINIA

Established 1867

1867
100
YEARS
OF SERVICE TO
THE STATE
1967

WEST VIRGINIA BOARD OF EDUCATION

The State Board of Education has complete control over the educational, administrative, and fiscal policies of Fairmont State College. The personnel list of the present board follows:

Anagene P. Rice, *President*, Kenova	1970
Lacy I. Rice, *Vice-President*, Martinsburg	1967
A. H. Spanger, Bluefield	1966
Perce J. Ross, Buckhannon	1968
Charles H. Brown, Kingwood	1969
S. J. Baskerville, Charleston	1971
W. Robert Abbot, Fayetteville	1972
Robert E. Kamn, Summersville	1973
E. M. Snoderley, Fairmont	1973

Rex Smith, *State Superintendent of Free Schools, member ex officio,* Charleston

FSC Summer Tent Theatre

Administrative Officers of the College

Eston K. Feaster, Ed.D., *President*

Paul V. Yost, M.A., *Dean of College*

Galen F. Duling, M.A., *Director of Instruction and Curriculum*

George H. Turley, M.A., *Dean of Men*

Roxy Dillon, M.A., *Dean of Women*

Hunter J. Conrad, M.A., *Director of Student Personnel*

Otis H. Milam, Jr., M.A., *Registrar, Director of Admissions*

William E. Phillips, Jr., M.A., *Assistant Registrar and Director of Admissions*

Earl N. Straight, M.A., *Director of Public Relations and Alumni Sec.*

Josephine L. Rosier, B.S.L.S., *Librarian*

Wilford R. Wilson, M.A., *Director of Athletics*

Homer W. Cox, B.S., *Business Manager*

Harry C. Fleming, M.D., *Director of Student Health Service*

Edgar L. Williams, Jr., B.S., *Superintendent of Buildings and Grounds*

GENERAL INFORMATION

LOCATION

Fairmont State College is a coeducational institution of higher education located at Fairmont, West Virginia. Fairmont is a city of about 30,000 population, the county seat of Marion County, and the center of the coal industry of northern West Virginia. It is the operating headquarters and home of a number of large coal, utility, and manufacturing concerns. The city offers unusual cultural and economic advantages. It possesses excellent stores, theatres, park and recreation facilities, and churches of all faiths. Community groups provide excellent outlets for local talent. Student and faculty members of Fairmont State College take an active part in community activities. (See maps on page xx and inside cover.)

PURPOSE AND AIMS

Fairmont State College is a four-year state college whose purpose is to serve its area and the state at large by offering such undergraduate curricula in general and vocational education as the West Virginia Board of Education may approve.

Under this board directive, Fairmont State College offers curricula for the preparation of elementary and high school teachers and curricula leading to degrees in the liberal arts and sciences. Besides the courses terminating with the granting of degrees, Fairmont State College offers two-year curricula in several areas and two or three years of pre-professional training in a number of fields.

In addition to its formal academic program, the College is interested in participating actively in worthwhile community projects. To that end, it is the policy of the college administration to share with the community the cultural program and physical facilities of the College.

By providing a suitable environment, good equipment, and a well-trained staff Fairmont State College aims to offer for its students training that should equip them with vocational and personal fitness for life, and to provide the community with a source of information and culture.

HISTORY

Founded as a private teacher training school in 1865, Fairmont became a state supported normal school in 1867. Housed originally in space provided by a local church, Fairmont State College has since occupied sites at the heads of Adams Street and at Second Street and Fairmont Avenue in the block now containing the United States Post Office. In 1917 the College was moved to its present location on Locust Avenue.

Fairmont State College is the oldest existing normal school south of the Mason and Dixon Line, and the earliest recipient of aid from the George Peabody Fund. Operated as a teacher training school with some academic work on the secondary school level, Fairmont's scope was widened in 1908 when teachers were permitted examinations. In 1924 Fairmont granted its first bachelor's degree in education on the basis of the completion of a four year college course. In 1931 the Legislature changed the name of Fairmont State Normal School to Fairmont State Teachers College. The title was again changed by the Legislature in 1943 to FAIRMONT STATE COLLEGE, and authorization was given to offer Bachelor of Arts and Bachelor of Science degrees. As a result of these developments, Fairmont is now authorized and equipped to offer a wider educational service to the people of West Virginia than ever before in its long history.

CAMPUS

The Fairmont State College Campus consists of over seventy acres with its principal frontage on Locust Avenue Extension. On a commanding site overlooking much of the city of Fairmont, the college is readily accessible to all students by private car or public transportation.

PHYSICAL PLANT

Fairmont State College possesses an unusually modern and well-equipped physical plant.

Administration Building — although the oldest and largest building on the campus, it has just been completely renovated and modernized. In addition to the administrative offices, it houses numerous classrooms and other facilities. Centered by its famous "columns," the Administration Building presents an impressive frontage to Locust Avenue, one of Fairmont's busiest thoroughfares.

Library Building — is a three story structure of steel, concrete, glass and brick. Functional rather than monumental in design, it emphasizes accessibility of books, attractve informal appearance, good lighting, acoustical treatment and mechanical ventilation. In addition to the usual library facilities and services, there is a typing room for use of students, a number of individual study desks and carrells, music listening facilities, study room for textbooks only, two seminar rooms and a moving picture screening room.

At the present time there are over 58,000 volumes, including sets of exclusive government documents, for which the library is an approved depository. The Library receives many daily newspapers and more than 350 periodicals. It also operates a film rental service for the benefit of the several departments and campus organizations. The Library maintains a collection of over 400 albums of records for faculty and student use.

Science Hall — is a large, light-brick building housing the departments of Mathematics, Natural and Biological Science, Home Economics, and Business Administration.

Colebank Gymnasium — is one of the newer campus buildings. It contains two gymnasiums, one for men and one for women. It also contains a fine swimming pool, classrooms, lockers, showers, equipment and office rooms. It is constantly in use by the various activities of the Physical Education Department and the campus generally.

Morrow Hall — is a three-story building which has recently been enlarged by the addition of new wings on each floor. This modernized structure will accomodate 124 women. The College Dining Hall is located near by.

North Hall — is a new, three-story building with accommodations for 150 women and an apartment for the head resident. Meals are served in the College Dining Hall which is conveniently located in an adjacent building.

Morgan Hall — is a new three-story building located near the main entrance to the campus. This residence will accomodate 84 women in comfortable and beautifully furnished twin-bed rooms. Lobbies, TV viewing and snack bar areas are additional facilities enjoyed by the residents.

Garden Lane Apartments — which will house 134 students is a three-story unit building adjacent to the west side of the campus. The floor plan is laid out in suites for four women. Each suite has a furnished living-dining room, kitchen, bathroom and two twin-bed rooms.

Pence Hall — is a new three story, light-brick building, located on a commanding site above the main campus. The building has accomodations for 132 men, and a resident manager. A handsome and commodious lounge area is included.

College Dining Hall — A new modern college dining hall with two serving areas was opened to the students in 1967. The dining hall is located conveniently to the campus dormitories.

Fine and Applied Arts — This modern functional building houses the Fine Arts (Art and Music), Speech and Dramatics, and Industrial Technology Departments. This classroom and laboratory facility is completely air-conditioned.

Field House — situated on Rosier Field, is equipped with dressing rooms, lockers, and showers for visiting and local football and baseball teams.

Rosier Field — situated at the upper end of the campus, is one of the beauty spots of Fairmont. Space is provided for a large football field, practice fields, baseball diamond and parking space. A concrete stadium capable of seating 5,500 spectators is provided. Nearby are tennis courts. A second athletic field has just been completed above the stadium field for physical education, soccer, and practice. Also completed is a field house wing with public toilet facilities, a press box and a concession stand.

President's Home — is a ranch-type structure of brick, situated on a knoll overlooking the main campus.

Student Union Building — A light-brick building, situated centrally on the campus, contains the snack bar, the College Bookstore, a large ballroom, and other social and operating facilities. This building is the center for all student activities on the campus.

One-Room School Museum — was brought to the campus and reassembled as a Centennial project. Open as tourist attraction, and contains artifacts of yesteryear such as books, stove, recitation bench, school bell, etc.

ACADEMIC INFORMATION

ACCREDITING

Fairmont State College is fully accredited by the North Central Association of Colleges and Secondary Schools and the National Council for Accreditation of Teacher Education. The College also holds membership in the American Association of Colleges for Teacher Education, the Association of American Colleges, the American Council on Education, the National Commission on Accrediting, and the American Association of University Women. These affiliations guarantee to Fairmont State College graduates and students full recognition of their earned credits in other colleges and universities.

DEGREES

The degrees granted by Fairmont State College are Bachelor of Science, Bachelor of Arts, and Bachelor of Arts in Education. For each degree 128 semester hours of credit are required. The number of quality points required for a degree is not less than 256, but may be more, for each student must average two points for each semester hour attempted. This is to say that the quality point average is computed by using all courses entered on the student's permanent record card. No student shall be awarded more than one baccalaureate degree.

ADMISSION

General Admission Procedure—All students desiring admission to Fairmont State College, whether directly from high school or as a transfer student from another college or university, must file an application for admission and health record on forms provided by the Registrar and Director of Admissions. All correspondence relative to admission and all credentials in support of an application must be on file at least two weeks prior to the opening of a semester or term.

Admission of West Virginia High School Graduates—Graduates of approved West Virginia High Schools are eligible if they rank in the upper three-fourths of the graduating class, have completed at least 17 units of work (including the prescribed units cited below), and have no severe health or character defect. The following high school units are required for admission:

English—4 units
    Must be basic English with no substitutes such as speech, journalism, or drama.

Science—2 units
    One of which must be biology. The second unit must be a basic science such as general science. chemistry, physical science, physics, etc.

Mathematics—2 units
    One of which must be algebra.

Social Studies—3 units
    One of which must be American history.

Health and Physical Education—1 unit
    Unless waived by the high school principal upon written recommendation of a physician.

Foreign Language—2 units recommended
Two units should be in the same language.

Students who fail to complete the required pattern of high school units cited above may have certain deficiencies waived as follows: Students who have graduated from accredited high schools may be granted admission if they rank in the upper one-half of their graduating classes and achieve a composite standard score of 17 or more on the American College Test (ACT) and have no more than a single unit of violation in any one subject area or two violations on all areas.

Graduates of approved secondary schools who rank in the lower quarter of the graduating classes may be admitted provided they have attained a composite standard score of 14 or above on the American College Test administered during the senior year or summer prior to admission to college.

Admission of Out-of-State Students—To be considered for admission, applicants whose legal residence is in a state other than West Virginia must rank in the upper one-half of their graduating classes, meet the subject matter pattern required for resident students, complete the ACT test and have the recommendation of their high school principal or counselor. The final decision as to eligibility is based on a combination of the above factors.

Foreign Students—To be admitted, the foreign students must demonstrate proficiency in written and spoken English. Such proficiency can be established by the successful completion of the Test of English as a Foreign Language, administrated by the Education Testing Service of Princeton, New Jersey, 08540. Information concerning this test can be secured through U. S. Embassies and Consulates throughout the world or by writing to TOEFL, 1755 Massachusetts Avenue, N.W., Washington, D. C., 20036.

The applicant must also file an application for admission, a health form, and an official transcript of all academic credits and grades. The transcript must be sent by the institution last attended. The application for admission may be secured by writing to the Director of Admissions, Fairmont State College, Fairmont, West Virginia, 26554.

Admission of Superior and Talented High School Students—The West Virginia Board of Education has authorized the admission of a limited number of outstanding high school students, either in the summer following completion of their junior year in high school or on a part-time basis during their senior year in high school on the following basis:

1. Have completed the junior year of the college-bound curriculum of his high school.
2. Have a B+, or better, average on high school subjects in the college-bound curriculum.
3. Have the recommendation of his high school principal.
4. File an application for admission and submit transcripts of high school credits and grades.
5. Be approved by the Director of Admissions.
6. Pay regular college fees.

The credit earned under this arrangament is college credit and will be "stored" here and granted to the student when he enrolls in college. Should he enroll in another college, a transcript of the work will be forwarded to that institution. The decision as to whether advance standing credit is granted is, of course, left to the discretion of the receiving institution.

This program is not designed to interfere with the regular high school program. Rather, it affords an opportunity for superior students to accelerate their training if they so desire.

Admission by G. E. D. Test—Non-high school graduates (veterans and persons over age of 21) will be admitted if they attain a standard score of 40 on each of the five parts of the General Education Development Test or an average standard score of 50 or above on the entire Test. Such students must have no severe character or health defect. G. E. D. scores must be sent direct to the Registrar and Director of Admissions from USAFI or from the testing center.

Admission of Transfer Students—Any applicant for admission to Fairmont State College who has attended another institution of collegiate rank will be classified as a transfer student, whether he has earned credit or not. The college does not under any condition disregard college or university credits earned elsewhere. Credit earned at other accredited colleges and universities will be allowed toward a degree if applicable.

To be admitted as a transfer student, one must meet the entrance requirements of Fairmont State College, must present evidence that he is in good standing in every respect at the institution last attended, and must have maintained a "C" (2.0) or better average on all college work previously attempted. Students who have been dismissed for academic or social reasons will not be eligible for admission. In no case shall a student be admitted whose record is such that he would have been dropped at Fairmont State College.

Transfer credits are posted on the permanent record as received. All grades received by a transfer student in the college or colleges which he has previously attended must be included in the calculation of his quality point average even though some of the grades do not represent courses for which credit can be granted. Grades earned in other institutions shall not be used to make up a deficit of quality points in this institution except as provided by Board order.

To be official, a transcript must come direct from the institution issuing it and must bear the official seal of the institution, and the manual signature of the proper authority. The transcript should show the descriptive title of the courses, the year in which the work was done, the number of credits, and the grades. Transcripts, when accepted, become the permanent property of the college and will not be returned to the student. Such transcripts should be sent at least thirty days prior to the opening of the semester or term.

No credit of collegiate grade will be allowed for work done in the former normal training schools, except as authorized by the West Virginia State Board of Education. By the action of the board five-eighths college credit may be allowed for such work up to a maximum of 20 hours, provided credit was earned after graduation from high school.

General Requirements for All Applicants for Admission—All credentials submitted in support of an application for admission become the property of the College and will not be returned to the student. Such credentials include an official transcript of high school or college grades, an application for admission and a health record. The prospective student is responsible for the submission of all necessary forms and records in support of an application for admission.

Admission is for one semester or term and may be used only for that time. If the student fails to register during the semester or term for which he has been admitted, he must file another application if he desires admission at a later date.

Admission does not guarantee housing. Separate applications for dormitory space must be submitted to the Dean of Men or Dean of Women.

Any student admitted upon the basis of false and/or incomplete credentials will be subject to immediate dismissal from the college.

The American College Test—Fairmont State College requires the American College Test (ACT) of all applicants for admission. Scores on this test are used in placing students in English and Mathematics, for applicants for scholarships and loans, and in the academic counseling program. High school students are urged to take the test during their senior year. Financial aid applicants should take the test either in August prior to the beginning of the senior year, or on the October or December dates.

PRE-REGISTRATION

All freshmen and transfer students are urged to pre-register during the summer preceding enrollment. Freshmen students who have taken the ACT Tests during their senior year in high school are given priority. Students who have not taken the ACT Test will be permitted to undergo testing during the summer. No student will be pre-enrolled unless or until he completes the ACT Test. All new students are expected to pre-register unless they live at such a distance from Fairmont as to make a special trip an undue hardship. It is understood, however, that students who participate in the pre-registration program will be given priority in making schedules.

Transfer students who have been fully admitted may be pre-registered by coming to the campus at a time arranged with the Registrar. All transfer students should avail themselves of this opportunity since it simplifies the transfer process.

A pre-registration period for regularly enrolled students is scheduled each semester. The purpose of pre-registration is to insure students adequate schedules. All students must pre-register if they plan to re-enroll for the following semester or term.

REGISTRATION

At least one month prior to registration day an official transcript of credit must be filed in the Office of the Registrar and Director of Admissions for each incoming freshman and each transfer student.

All students are expected to complete registration on the days designated for this purpose at the beginning of each semester or term. Registration by proxy is prohibited. While all students are expected to register on time, late registration periods are permitted within prescribed limits as set forth in the schedule. Late registration fees are assessed in accordance with the fee schedule cited under Special Fees.

SEMESTER HOURS—DEFINITION

The semester hour is the basis of college credit within the institution. A lecture-recitation course meeting one period a week for a semester carries one semester hour of credit; if meeting two periods, two semester hours of credit. Laboratory courses, however, require a minimum of two periods a week for each semester hour of credit.

GRADING SYSTEM

The following system of grading is used within the institution:

A—Superior, given only to students for exceptional performance.

B—Good, given for performance distinctly above the average in quality.

C—Average, given for performance of average quality.
D—Lowest passing grade for performance of poor quality.
F—Failure. Course must be repeated if credit is to be received.
FIW—Failure because of irregular withdrawal.
I—Incomplete, given to a student who misses a part of the course for a reason the instructor recognizes as a valid excuse for delay in completing the assignments. Unless the work missed is completed within a year from the date the mark is recorded, the I automatically changes to an F.
WF—Withdrew Failing, from one class or from college.
WP—Withdrew Passing, from one class or from college.

QUALITY POINTS

The quality of a student's work is indicated by quality points.

Candidates for graduation must have at least twice as many quality points as semester hours attempted; that is, a point-average of 2.00 on all college work and on all work completed at Fairmont State College. Quality points for grades A, B, C, D, are computed as follows:

A—Four (4) quality points for each semester hour of credit.
B—Three (3) quality points for each semester hour of credit.
C—Two (2) quality points for each semester hour of credit.
D—One (1) quality point for each semester hour of credit.

A student's grade average is determined by dividing the number of his quality points by the number of credit hours he has scheduled. No quality points are attached to grades F, FIW, and WF, but the credit hours for the courses in which these grades are received will be used in computing his grade average.

In order to be graduated, a candidate for a degree must have maintained a quality point average of 2.00 or better in all college courses and in all credit earned at FSC. An average of 2.00 must also be maintained in the major and minor fields of study and for the remaining semester hours taken collectively if the student is a candidate for the A.B. or B.S. degree. **If the student is in teacher education, he must attain an average of 2.20 in each teaching field and/or minor assignment.** (Specific requirements in teacher education are on page 69).

Grades earned in other institutions shall not be used to make up a deficiency of quality points in this institution except as provided by Board order.

It is the student's responsibility to keep informed of his quality point standing. This information can be obtained at any time from the Registrar.

CLASSIFICATION OF STUDENTS

Students who have completed not less than 90 hours of college work are classified as seniors.

Students who have completed not less than 58 hours and not more than 90 hours of college work are classified as juniors.

Students who have completed not less than 26 hours and not more than 58 hours of college work are classified as sophomores.

Students who have completed the high school or secondary course and not more than 26 hours of work are classified as freshmen.

NUMBERING OF COURSES

Courses for freshmen (100 series) and sophomores (the 200 series) constitute the lower level of curriculum. Courses numbered 300-499 are primarily for juniors and seniors. Almost all general education requirements consist of lower level courses which should be completed as far as possible by the end of the sophomore year.

CREDIT FROM A JUNIOR COLLEGE

The maximum credit accepted from a Junior College accredited by the North Central Association of College and Secondary Schools or other regional accrediting associations will not exceed 72 semester hours. No more than 64 semester hours may be accepted from junior colleges which are not regionally accredited. No credit will be allowed for courses completed in a junior college subsequent to attainment of junior or higher rank by the student.

NON-RESIDENT OR OFF-CAMPUS CREDIT

One hundred (100) semester hours of the 128 required for graduation shall be completed in regularly scheduled campus courses. The 28 hours of permissible non-residence courses may be earned by extension, home study (correspondence), radio, television, special examination and/or army service. Credit earned in home study will be accepted only when earned in a regionally approved college.

ASSIGNMENTS AND CREDITS

1. Semester Load: A student who enters at the beginning of a semester may be assigned an 18 hour schedule, but not more, except by permission from the Registrar. An adviser may not give permission for more than eighteen hours.

2. Late Registration Fees. See schedule of fees for late registration. It should be understood, however, that late registrants often fail to obtain satisfactory schedules, for the policy and practice of the College is to give priority to students who register on the dates for regular registration.

3. Schedule Changes: Students must petition the Committee on Admissions and Credits to make schedule changes after the third week of a semester or the second week of a summer term. Students may not add new classes to their schedule after the period of registration has ended.

4. Withdrawal from College: A student desiring to withdraw from the College will apply at the Registrar's Office. Here forms will be obtained, which when completed with the proper signatures and returned to the Registrar's Office, will constitute an official withdrawal. The instructor records on the Final Grade Report to the Registrar, a W for students withdrawing during the first six weeks of a semester or two weeks of a summer term. In case the official drop notice is issued after one-third of the semester or term, the instructor will record either WP or WF at the end of the period of enrollment.

No withdrawals may be made from individual classes after mid-semester. If a student drops a part of his academic load after nine weeks of the semester or three weeks of the summer term have elapsed, an F or FIW will be recorded for each course dropped. When a student withdraws regularly from college after nine weeks of the semester or three weeks of the summer term have elapsed, the instructor will record a WP or WF, as the case may be. Such grades will be used as a part of the student's record for the semester in determining his eligibility for enrollment later.

A student who withdraws from the college without formal notice to the Registrar will receive at the end of the semester a grade of "FIW" in each subject for which he is registered.

5. Repeating a course: With the approval of his adviser, a student may repeat a course in which he has received an F or a D. When this is done, both grades will be recorded and used in computing the student's point average. A student may not repeat a course in which he has earned a C or better.

6. Minimum Residence Requirements for Graduation: For a degree, at least one year's work in residence is required, one semester of which must be in the senior year. A "year of residence" must represent not less than 32 week's work in residence and 32 hours credit. A semester is defined as a minimum of 18 weeks and 16 hours credit.

Exception is made in the case of any student who has completed three years of required work in Fairmont State College and who wishes to complete the senior year by substituting approved credit earned subsequently in a college of medicine, or dentistry.

7. Application for Graduation: Candidates for graduation must make official application for a degree at least 45 days before Commencement Day. Applications will be filed with the Registrar.

8. Assignment and Credits: Regularly enrolled students who desire to complete work at another accredited institution on a transient basis must secure written permission of the Registrar and Director of Admissions to do so. Transient credit completed without permission will not be accepted.

DEAN'S LIST

Students who are registered for twelve or more hours and who do not withdraw from a class during the semester, and receive a grade point average of 3.2 are considered honor students and named to the "Dean's List."

FRESHMAN HONORS LIST

Freshmen at Fairmont State College who earn an average of 3.5 or better on minimum load of 16 semester hours for the first semester of their college enrollment are distinguished by being named on the "Freshman Honors List."

GRADUATION WITH HONORS

Candidates for graduation who have achieved special distinction in academic work are graduated with honors. Honors are determined by the cumulative quality point average of student's work at graduation. Three grades of honors are recognized: **cum laude** for a point average of 3.0 to 3.49; **magna cum laude** for a point average of 3.50 to 3.74; and **summa cum laude** for a point average of 3.75 or better. Averages are based upon the entire academic record of the student, excluding grades earned during the last semester or term.

TRANSCRIPTS

Every student at Fairmont State College is entitled to one official transcript of his record free; for each additional copy a fee of one dollar ($1.00) will be charged. **No student who fails to meet his financial obligations to the College; or any department of the college, will be given a transcript.**

An application for a transcript of credit should furnish the date of last attendance at Fairmont State College, and a married woman should give both her maiden and married names. All requests for transcripts should be sent directly to the Registrar.

AUDITORS

Students who are registered in Fairmont State College may be permitted to attend classes as auditors provided they shall have obtained the written permission of their advisers and of the instructors in the classes they desire to visit. No person who enrolls in any class as an auditor may in the same semester, term or later be considered as enrolled in this class for the purpose of obtaining credit. In no case whatsoever will auditing be regarded as a factor in obtaining credit.

Students eligible to attend classes as auditors may obtain proper permission blanks from the Registrar. Other persons, even if not registered students, may attend classes as auditors upon securing permission from the Registrar and from the instructors involved, upon payment of the regular fee. Auditors are required to complete the regular registration forms.

ATTENDANCE AND ABSENCES

Attendance. A student is expected to attend regularly class and laboratory sessions on courses for which he is registered. Regular attendance is a prerequisite for the successful completion of a course of study and is an integral part of a student's educational experience. Failure to attend class regularly may result in lowering of the class grade, or may lead to failure in the course.

Absences. In the administration of its attendance policy, the College distinguishes three kinds of absences: (1) An institutional absence results from participation in an activity in which the student officially represents the College. (2) An unavoidable absence results from illness, death in the immediate family, or unnatural cause beyond the control of the student. (3) All other absences are willful.

It is the responsibility of the student to provide his instructor with a satisfactory explanation of institutional or unavoidable absence. Failure to do so automatically makes the absence "willful."

There is no category of "excused" absences, authorized "cuts" or "double cuts."

Responsibility for Class Work. Irrespective of the nature of the absence, a student is responsible for maintaining his personal academic standing.

In the case of institutional and unavoidable absences, an instructor will provide the student an opportunity to make up work. The student, however, bears the responsibility for making arrangements with each instructor for completing assignments and tests.

In the case of willful absence, an instructor is not responsible for the make-up work.

REPORTS TO STUDENTS

The grades of all students are reported by each faculty member to the Registrar at the middle and end of the semester. Faculty advisors are provided complete grade reports at each reporting period. Students receive grade reports at mid-semester and again at the end of the semester. The grade reports of freshmen earning one or more grades of "D" or lower are forwarded to the parents at mid-semester by the Director of Student Personnel.

SPECIAL EXAMINATIONS FOR COURSE CREDIT

Students may take special examinations to qualify for credit in certain courses. For further information as to the courses covered in this manner, students should contact the Student Personnel Office. All tests are administered by the College Testing Service.

Applications must be made to the Registrar for permission to take a special examination. To qualify for permission to take such an examination, an applicant must be enrolled or must have completed successfully one semester or summer session in Fairmont State College. The applicant must, in addition, establish eligibility in regard to his background in the area concerned. In order to gain college credit by special examination, the student must demonstrate better than average proficiency in the course. Examinations will not be given for courses in which the student has obtained a low grade previously.

Applicants must pay a fee of $3.00 for each special examination, if regularly enrolled at the time of taking the examination; otherwise the fee is $2.50 per semester hour of credit to be received. A receipt for the payment of the fee must be obtained from the cashier's office. No money will be refunded if any examination is failed. No examination may be repeated.

First semester freshmen may establish course credit by examination in the following courses without the payment of special examination fees: English 104—Written English—3 hours; French 101 and 102—Elementary French—6 hours; Home Economics 101—Principles of Clothing Construction—2 hours; Home Economics 201—Principles of Food Selection and Preparation—3 hours. An additional condition precedent to the granting of credit is enrollment by the student in the next higher course.

Based on the high school record and performance on the ACT, the Registrar will prepare a list of students who will be eligible to take the final test for credit. The procedure for establishing eligibility to take the examination for credit is as follows:

> **English**—A "B" average in four units of high school English and a percentile score of 75 or above on the English part of the ACT, using college-bound norms.
>
> **French**—A "B" average in two units of high school French and a percentile score of 75 or above on the English part of the ACT, using college-bound norms.

Advance Standing—Students who are majoring in foreign languages will be granted advance standing credit for required lower level courses if they are able to complete higher level courses with grades of "C" or better. For example, a student presenting two or more high school units of French should normally enroll in French 201, Intermediate French. If a grade of "C" or better is earned in French 201, credit is established for French 101 and 102.

The Director of Student Personnel will notify eligible students of the time and place of the advanced placement examinations to be given during orientation week. Tests will be administered by the Director of Student Personnel.

ENGLISH PERFORMANCE EVALUATION

All students enrolled after June 1, 1962, are to be evaluated for competency in the use of English. The evaluation is as follows:

a. Students who are awarded letter grades of A, B, or C in the course English 108 shall be judged competent in the use of the English language.

b. Students who receive a D in English 108 are required to enroll immediately in English 108R, a remedial English composition course.

c. English 108R shall be taken without credit until the instructor of the course is satisfied that the student is capable of acceptable usage of the English language.

d. After the completion of a semester of English 108R the instructor may at his own discretion submit for evaluation representative essays from any student to a committee of the English faculty appointed by its chairman. This committee, which shall be known as the English Performance Review Board, shall be empowered to make recommendations to the instructor with regard to individual cases.

PROBATION AND SUSPENSION

1. If and when a student becomes 10 or more points deficient, he will be placed on probation.

2. If and when a student becomes (or remains) 20 or more points deficient while on probation, he will be suspended.

3. If a student remains on probation for three consecutive semesters, he will be suspended.

4. To be removed from probation, a student must establish an average of 2.00 in all work attempted.

5. Twelve or more calendar months after his suspension a student may petition for readmission.

6. A student, 20 or more quality points deficient, if conditionally readmitted, must reduce his quality point deficiency by at least 8 quality points per semester or be suspended.

7. Two suspensions from any institution(s) of higher education are final.

8. The status of any student transferring from another institution of higher education will be determined in accordance with the above rules.

COLLEGE FEES

ENROLLMENT FEES:

West Virginia Students:

Tuition (8 hours and above)	$ 25.00
SPECIAL REGISTRATION FEE (12 hours and above)	50.00
Student Activity Fee	14.50
Course Fee	5.00
Student Union Fee	15.00

***Non-Resident Students:**

Tuition (8 hours and above)	$175.00
SPECIAL REGISTRATION FEE (12 hours and above)	125.00
Student Activity Fee	14.50
Course Fee	5.00
Student Union Fee	15.00

Part-Time Fees, West Virginia Students:
Regular Semester (Less than 8 hours):

1 Semester Hour	$ 5.00	plus $2.00 Course Fee
2 Semester Hours	8.00	plus 2.00 Course Fee
3 Semester Hours	10.00	plus 2.00 Course Fee
4 Semester Hours	13.00	plus 2.00 Course Fee
5 Semester Hours	16.00	plus 2.50 Course Fee
6 Semester Hours	19.00	plus 3.00 Course Fee
7 Semester Hours	22.00	plus 3.50 Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour	

All part-time students must pay a Student Union Fee.
1 to 4 hours inclusive $6.00. 5 to 7 hours inclusive $8.00.

Part-Time Fees, Non Resident Students:
Regular Semester (Less than 8 hours):

1 Semester Hour	$ 15.00	plus $2.00 Course Fee
2 Semester Hours	30.00	plus 2.00 Course Fee
3 Semester Hours	45.00	plus 2.00 Course Fee
4 Semester Hours	60.00	plus 2.00 Course Fee
5 Semester Hours	75.00	plus 2.50 Course Fee
6 Semester Hours	90.00	plus 3.00 Course Fee
7 Semester Hours	105.00	plus 3.50 Course Fee

SPECIAL REGISTRATION FEE (1 to 11 hours inclusive), $10.00 per credit hour.

All part-time students must pay a Student Union Fee.
1 to 4 hours inclusive $6.00. 5 to 7 hours inclusive $8.00.

STUDENTS CARRYING 8 HOURS AND ABOVE ARE REQUIRED TO PAY THE STUDENT ACTIVITY FEE OF $14.50.

All Day Students ID card fee $1.00.

SUMMER SCHOOL FEES:

West Virginia Students:

Tuition (4 hours and above) one term	$ 15.00
Tuition (4 hours and above) two terms	30.00
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Activity Fee (Payable one term only)	2.00
Course Fee $2.50 (payable each term)	5.00
Student Union Fee (payable one term only)	15.00

Non-Resident Students:

Tuition (4 hours and above) one term	$ 58.00
Tuition (4 hours and above) two terms	116.00
SPECIAL REGISTRATION FEE	$10.00 per credit hour
Student Activity Fee (payable one term only)	2.00
Course Fee $2.50 (payable each term)	5.00
Student Union Fee (payable one term only)	15.00

Part-Time Student Fees, West Virginia Students:

1 Semester Hour	$ 5.00 plus $2.00 Course Fee
2 Semester Hours	10.00 plus 2.00 Course Fee
3 Semester Hours	15.00 plus 2.00 Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Union Fee (1 to 3 hours inclusive)	8.00

Part-Time Student Fees, Non-Resident Students:

1 Semester Hour	$15.00 plus $2.00 Course Fee
2 Semester Hours	30.00 plus 2.00 Course Fee
3 Semester Hours	45.00 plus 2.00 Course Fee
SPECIAL REGISTRATION FEE	$10.00 per credit hour
Student Union Fee (1 to 3 hours inclusive)	8.00

AUDITING FEE:

Auditing Fee is the same rate as the Semester Hour Fee.

NON-CREDIT COURSES:

The fee for non-credit courses, institutes, conferences, etc., is equivalent to the auditing fee:

a. Minimum enrollment of fifteen:
   1. Equivalent of one semester hour credit, $10.
   2. Equivalent of two semester hours credit, $20.
   3. Equivalent of three semester hours credit, $30.

b. Enrollment of less than fifteen:
   1. Pro-rate increase in fee to equate minimum enrollment.

SPECIAL FEES:

**Chemistry Breakage Fee	$ 5.00

Late Registration Fee:	
1st day	10.00
2nd day	12.00
3rd day	13.00
4th day	14.00
5th day	15.00
Graduation Fee (Inc. cap and gown)	9.00
Freshman Orientation Fee	1.50
Transcript Fee (First Transcript is furnished free)	1.00
Special Examinations for course credit (Regularly enrolled students)	3.00
Special Examinations for course credit (Non-enrolled students) per semester hour	2.50

Fees for Industrial Education

All courses in Industrial Education in which laboratory and demonstration materials are included will require an additional fee of $2.00 per credit hour. Students will pay the actual cost of personal projects constructed in laboratory classes.

* The term "resident" as hereinafter used refers to classification for fees purposes only.

** Assessed each student enrolled for any chemistry laboratory course. Unused portion, if any, will be refunded at end of school year. In event of unusual breakage, an amount to cover same may be assessed.

REGULATIONS GOVERNING CLASSIFICATION OF STUDENTS FOR ASSESSING TUITION FEES—REVISED July 25, 1966

The following definitions, general policies, and regulations will apply to non-resident students:

The term "residence" as used in these regulations refers to the actual physical location of a person and is to be used solely for the purpose of assessing tuition fees.

The residence status of a student is determined at the time of his first registration at a state college or university, and his residence is not changed by his attendance as a student at such college or university. This policy shall apply to both graduate and undergraduate students regardless of any scholarships, student assistantships, loans or graduate assistantships that may be granted to any student.

A non-resident student is hereby defined to be a student of less than twenty-one years of age, living away from his family and whose family resides in another state, or whose family has not resided in West Virginia for the twelve consecutive months immediately preceding the date of first registration; or a student of twenty-one years of age or over, who resides out of the state or who has not been a resident of the state twelve months subsequent to his twenty-first birthday or for the twelve months immediately preceding the date of first registration.

The residence of one who is under twenty-one years of age is that of the father. Upon death of the father, the residence of the minor is that of the mother. Upon divorce of the parents, the residence of the minor is determined by the residence of the person to whom custody is granted by the court. In the absence of any grant of custody, the residence of the father continues to control. Upon the death of both parents, the residence of the minor continues to be that of the last surviving parent until he becomes twenty-one.

Individuals who have come from without the State of West Virginia and who register in a state college prior to having resided in the state for a period of twelve months shall be classified as non-resident students; and such non-resident student classification shall be presumed to be correct as long as the residence of such individuals in the state is during their attendance at educational institutions, regardless of whether such individuals have become qualified voters, have registered motor vehicles and paid personal property taxes thereon, have obtained West Virginia drivers' licenses, or have otherwise attempted to establish residence within the state.

A student under twenty-one years of age shall not be classified as a resident student until his parents have resided in this state for at least twelve consecutive months immediately preceding the date of current registration. A West Virginia student whose parents or guardian move out of the state of West Virginia after his original enrollment, will automatically become liable for the non-resident fee at the next registration period after twelve months following removal of parents or guardian.

Individuals of twenty-one years of age or less whose families have not resided in West Virginia for the twelve months immediately preceding the date of first registration shall be classified as non-resident students regardless of whether such individuals have become the legal wards of residents of West Virginia or have been adopted by residents of West Virginia while such individuals are attending educational institutions in West Virginia or within a year prior to such an attendance or under circumstances indicating that such guardianship or adoption was for the purpose of obtaining status as a resident student.

The residence of a minor student assigned to a guardian shall be considered affected by such assignment, beginning twelve months after the appointment of the guardian; the provisions stated above with respect to parents' residence shall then apply to the guardian's residence.

An alien who has taken out his citizenship papers and has resided in West Virginia for twelve months immediately preceding the date of his enrollment in a state college shall be regarded as eligible for registration as a West Virginia student.

Persons who are moved into the state as the result of military orders from the government, or the minor children of such persons, are entitled to admission as in-state students beginning twelve months after establishing residence in the state.

Marriage, alone, to a West Virginia resident will not change the status of a non-resident student in a West Virginia State College. Employment of his spouse does not change his status.

An individual on active Federal military service may be classified as a resident for the purpose of payment of fees providing that he resided in West Virginia for a period of twelve months continuously prior to entrance into military service, that he entered the military service from West Virginia, and that he has at no time while in military service claimed, or established, residence in any other State of the United States or its possessions. Sworn statements attesting to these conditions may be required. The wife of such individual as described above, and children under the age of twenty-one shall also be classified as residents of the State of West Virginia for fee purposes.

The student must have the question of his residence passed upon prior to registration and payment of fees. The responsibility of registration under proper residence is placed upon the student. If there is a possible question as to residence, the matter should be brought to the attention of the Admissions Officer and passed upon at least two weeks prior to registration and payment of fees. Any student found to have made a false or misleading statement concerning his residence shall be subject to dismissal from the college.

PAYMENT OF TUITION AND FEES:

The regulations of the West Virginia Board of Education provide that "No financial credit of any type shall be extended to any individual either student or other, at any state college or institution. All colleges and institutions shall operate strictly on a cash basis with all payments and obligations being collected in advance. All tuition and fees must be collected in full for each semester on enrollment day for each semester."

REFUND POLICY FOR TUITION AND FEES:

A student who withdraws regularly from the college may arrange for a refund of his fees in accordance with the following schedule. Refunds are determined from the first day of the school term which begins officially with Freshman Orientation Week.

18 Weeks (Semester)	
During first and second weeks	90%
During third and fourth weeks	70%
During fifth and sixth weeks	50%
Beginning with seventh week	No Refund

5 Weeks (Summer Term)	
During first week	90%
During second week	70%
During third week	50%
Beginning with fourth week	No refund

RESIDENCE HALL EXPENSES—MEN AND WOMEN

Room Rent (18 Week Semester) $144.00 per semester per person.

Room Rent (Five Week Term) $40.00 per student--occupancy two students per room.

Room Rent (Five Week Term) $45.00 per student—occupancy one student per room.

Board (18 Week Semester) ~~$255.00~~ 225.00

Board (Five Week Term) $62.50.

A three percent Consumers Sales Tax is payable on all Room and Board charges.

PAYMENT ON ROOM AND BOARD:

Room Rent (18 week semester) must be paid in full on Registration Day.

Board (18 week semester) must be paid in advance either on a semester or a quarterly basis.

Room Rent (5 week term) must be paid in full on Registration Day.

Board (5 week term) must be paid in full on Registration Day.

Board and Room Rates are subject to change.

(All fees are subject to change by action of the West Virginia Board of Education.)

ROOM RESERVATIONS:

Aplicants for room reservations in College residence halls must pay a $40.00 deposit at the time the room application is filed with the College. **(This amount is subject to change at any time.)** The deposit will be credited to the applicant's room rent account.

Notice of cancellation of room reservations must be received by the College by May 1. Otherwise the total amount of $40.00 will be forfeited. (Exception: Should the application be denied by the Director of Admissions, a full refund will be made without regard to dates.)

Not more than ten per cent of available living space in any campus dormitory may be assigned to out-of-state students.

STANDARDS FOR DORMITORY LIFE:

1. All students not living at home are required to live in residence halls, unless other arrangements are made with the Dean of Men or the Dean of Women.

2. Students already living in dormitories are required to make an advance deposit of $40.00 to be applied on room rent at the time the application for a reservation is made for the following year. This deposit shall be forfeited if the applicant does not remain in college and the college notified of a cancellation by May 1. (An exception will be made in cases of academic suspension.)

3. A $20.00 breakage fee shall be deposited at time of registration.

4. All students living in campus residence halls must take their meals in the college dining hall.

5. No evening meal will be served in the college dining hall on Sunday.

6. Residence halls will be closed during the Thanksgiving, Christmas and Spring recesses.

7. Room rental for a semester must be paid in full on Registration Day.

8. Board must be paid in advance either by the quarter or by the semester.

9. Dormitory residents must furnish curtains, bedspreads, blankets, pillow, wastebasket, and study lamp.

10. All dormitory students except residents of Garden Lane apartments must subscribe to a linen service that supplies fresh bed linens and towels weekly.

11. A student who is absent from a residence hall for seven or more consecutive days will not be charged for meals, provided that the Food Director is notified in advance. No deduction in room rent, however, will be allowed regardless of the cause of absence. There is no refund of room rent to students changing residence during a term or semester, or to students withdrawing during a term or semester.

12. Students are not permitted to move from the dormitories during the school year except to leave school or move home.

13. If there are no vacancies in the dormitories and a student must live off-campus, such living quarters must be approved by the Dean of Men or the Dean of Women before they may be occupied. A file of approved rooms for rent is maintained in the offices of the Deans.

A student living off-campus must show his correct, complete local address, as well as the name of his landlord, on his schedule cards. This registration of local address must be completed within 24 hours after the student establishes living quarters in the Fairmont area.

Any changes in local addresses made during the school year must be reported to the office of the Dean of Men or Dean of Women immediately.

STUDENT WELFARE

STUDENT PERSONNEL SERVICES

Fairmont State College maintains many services of great value to all students with the aim of assisting each student to adjust to his school environment and get the most from his college experience. A centrally organized student personnel program is provided through the Office of the Director of Student Personnel. The services include freshman orientation; testing, educational, vocational and personal counseling; placement service after graduation; student employment on and off campus; financial aid information; student insurance; and other services pertinent to student welfare in general.

All students enrolled for eight or more hours of credit must have an identification (I.D.) card. This card is used as identification for and admission to school activities. The picture for the card will be taken at the time of pre-registration in the summer or in the fall for students who do not pre-register. The student pays $1 for the card, which is good for the entire period of attendance. It must be validated in the Office of Student Personnel each semester.

HOUSING

Pence Hall is a new, modern dormitory providing living quarters for 132 men. It is located on the hill above the main portion of the campus and commands a splendid view of much of the campus and surrounding area. A large and well-appointed lounge is located on the first floor. Parking and recreational facilities are located at the rear of the building.

Four modern conveniently located dormitories are available for women. On campus is Morrow Hall built in 1922, renovated and refurnished in 1959, and North Hall completed in September, 1964. Privately owned dormitories adjacent to the campus are Morgan Hall built in 1965, and Garden Lane Apartments built in 1966.

All dormitories feature built-in wardrobes, study desks and book shelves. Within each resident hall there are facilities which will create a homelike atmosphere. Included are lobbies, lounging and recreational areas, vending machines and coin-operated laundry equipment.

Fees charged for residence in campus dormitories are listed under Residence Hall Expenses.

TESTING AND COUNSELING

The Office of Student Personnel provides a testing and counseling service designated to assist students in making more intelligent personal, academic, and vocational choices. Trained personnel are maintained to administer and interpret tests. For the most part students seek this service voluntarily. Special remedial assistance is available to students who are deficient in reading vocabulary and study habits.

PLACEMENT SERVICE

This service is available to all persons graduating from the college and to those who receive teaching certificates through its recommendation. All seniors are urged to register prior to graduation. Alumni who hold degrees or certificates are welcome to register. Assistance in placement in all fields of employment relative to occupational instruction furnished by Fairmont State College is offered.

FRESHMEN ORIENTATION

Freshmen students arrive on the campus in advance of the upperclass students. During a week's period they become acquainted with the campus, buildings, and equipment, and various student activities. They are given tests which are for the purpose of assisting them in getting properly placed in their college courses and major fields of study. After scheduling classes in consultation with faculty advisors, they become formally registered for their first year of college work. Throughout the orientation period freshmen are assisted and guided by trained student counselors who are sympathetic with their special problems.

ADVISOR SYSTEM

Each student is assigned an academic advisor at the time of his first enrollment in Fairmont State College. The student's academic advisor is the chairman or a staff member of the department in which the student has chosen his major field of study.

If the student desires to change his major field of study, he should contact the Student Personnel Director for assignment to the appropriate advisor Students who are not ready upon entrance to select a major department will be assigned to special advisors by the Student Personnel Director.

It is to his academic advisor that a student will take all problems relating to course requirements, class schedules, pre-registration, and registration.

GENERAL REGULATIONS

Fairmont State College expects its students to observe the standards of good citizenship, both on and off the campus. Regulations of the State Board of Education empower the president and faculty to take such steps as may be needed to enforce these standards.

For Women

1. College women are not permitted to visit men's quarters.
2. A woman student who marries while in college must present legal evidence to the Dean of Women. She is also responsible for seeing that all college registration records bear her legal and accurate name and address. Failure to comply with this regulation may result in suspension.
3. Posing as a single student when there has been a secret marriage is a violation of college policy and is subject to disciplinary action.

Cheating and Thievery

The initial premise in formulating rules to determine the action to be taken in case of cheating and thievery is that the character of the offense should control the punishment. Casual glancing at a neighbor's paper is quite different from pre-arranged collusion whereby one receives notes, signals, or exposed answers from another person. Breaking into an instructor's quarters for any purpose whatsoever is a crime punishable by law. The punishment therefore ought to be in direct relation to the character of the offense. The following rules are formulated with this premise as the basis.

1. A student who is observed to be glancing at his neighbor's paper should be warned by the instructor that these actions are evidence of cheating. Should the student repeat the performance, the instructor should order him to turn in his paper and leave the room. In all cases an "F" should be recorded for the quiz or examination. Should the student repeat this performance at a later period, he should be dismissed from class permanently and an "F" recorded for the semester.

   All such cases should be reported to the Deans of Men and Women promptly. Habitual offenders—those who have been cited for cheating in more than one class—are to be brought before the Disciplinary Committee promptly. The Committee will decide what action should be taken with the understanding that only extenuating circumstances will temper the punishment.
   When the evidence is clear that a student has brought notes to class, has developed a system of signals, or has been in collusion with another in any way, he will be dismissed summarily from class and a grade of "F" recorded. Instructors are reminded that they are responsible for obtaining clear and convincing evidence.

2. Thievery ordinarily is more serious than cheating. Often, however, the two are associated. The stealing of a notebook or textbook for one's own use may be rationalized in various ways. There are some who succumb to this temptation who would not think of taking money, clothes, or other articles. It often happens that a student picks up a book with the intention of returning it shortly. Procrastination produces an extended period of possession in which borrowing becomes stealing. Numerous cases of taking another's book and selling it are known. By no type of reasoning can this be identified as anything other than stealing. The first case calls for tempered action; the second normally should result in expelling the offender promptly.

   Any student who enters the quarters of an instructor and removes examination materials or in any way alters records has committed a flagrant act of cheating. If he should have forced entrance into the quarters, the offense becomes quite serious.

   Unless extraordinary reasons for clemency exist, the offender should be expelled from the College. Indeed, the circumstances may call for legal action. This is certainly true if the removal or destruction of property occurs.

LOAN FUNDS, SCHOLARSHIPS, AND OTHER STUDENT AID

The scholarship and loan funds of Fairmont State College are available to worthy undergraduates who need assistance in meeting their college expenses. All funds are administered by the Financial Aids Committee, unless otherwise indicated. Applications for scholarships and loans should be made to Chairman, Financial Aids Committee.

PHILOSOPHY OF FINANCIAL AID

1. All academically capable students should attend college.

2. Any student who needs financial assistance should be willing to work part-time after the first semester's attendance at Fairmont State College.

3. Financial assistance is not designed to support luxuries nor should a student expect assistance just because he wants to be married.

4. After one year's attendance and an overall "C" average, no student need leave school for financial reasons.

5. Financial assistance is not intended to replace the responsibility of the parents. It is to supplement that which the home can and should provide.

LOANS

The loan program at Fairmont State College serves three functions.

1. Supplement the assistance needed by scholarship students.

2. Provide assistance to academically superior students who do not qualify for a scholarship.

3. Provide emergency short-term loans (not to exceed 90 days) to students who have a minimum "C" average.

To qualify for a loan a beginning student must:

1. Meet all entrance requirements as prescribed by the West Virginia Board of Education and by Fairmont State College.

2. Rank in the upper one-fourth of his high school graduating class or have a composite standard score of 20 or higher on the ACT. Transfer students must have an overall "C" average.

3. Provide evidence of financial need by completion of prescribed application.

LOANS AVAILABLE

The National Defense Student Loan Program

Any student interested in entering Fairmont State College and who can meet the above qualifications may apply.

Important facts pertaining to this loan are:

1. The loan funds are allocated by the Federal Government on a matching basis. The College must provide 10 percent of the total amount to be loaned each year. This amount is to be determined by the United States Office of Health, Education and Welfare.

2. The College is limited as to how much it can lend each year.

3. An individual loan will be based on the actual need for basic expenses; tuition, room and board, books, fees, etc. The maximum loan is $750 for the freshman year and $500 per year for each of the next three years. A student having a loan will be expected to work, if needed, as a student employee on campus after one semester's attendance at Fairmont State College.

4. There is no interest on a loan until nine months after the applicant ceases to be at least a half-time student in this or some other institution of higher education. Simple interest of 3 percent per year begins on the unpaid balance at this time. A maximum of ten years is allowed to repay the amount borrowed, depending upon the amount owed.

5. The loan, and interest thereon, of any borrower who serves as a full-time teacher in an approved elementary school, secondary school, or college within the territorial limits of the United States shall be cancelled at the rate of 10 percent of the amount of the loan plus interest thereon for each year of teaching for the first five years of teaching service.

Additional teacher cancellation benefits are available for those who are willing to teach in an area designated by the Commissioner of Education to be an economically deprived area. This cancellation amounts to 15 percent per year plus interest, and the full amount of the loan may be cancelled. No more than 25 percent of the schools in a given school district can come under this special provision.

In effect, the provisions of this loan make the loan a scholarship, partial or complete, for teachers.

6. Students who serve in the military forces, Peace Corps, or VISTA, receive deferred repayment and no interest for a maximum of three years while serving in one or another of the above.

7. Any student receiving this loan must sign an "Oath of Affirmation," which states, "I do solemnly swear that I bear true faith and allegiance to the United States of America and will support and defend the Constitution and laws of the United States against all its enemies, foreign and domestic."

8. Notes must be co-signed by parent or guardian if the student is under 21 years of age.

For further information and application blanks write:

Chairman, Financial Aids Committee

Fairmont State College

Fairmont, West Virginia

The Claude Worthington Benedum Loan Fund

This loan is available to West Virginia residents only. The maximum loan is $300 in a school year. There is no interest while a full-time student at Fairmont State College. Complete repayment must be made within three years after graduation or ceasing to be a full-time student with an interest rate of 4 percent the first year and 6 percent the second and third years. The note must be co-signed by a parent or guardian.

United Student Aid

To be eligible for this loan, the student must be at least a sophomore, have an overall average of "C" or better, and have attended Fairmont State College for at least one semester.

1. The parent or guardian must consent to the loan, but does not assume a financial obligation.

2. Loans are made by the student's home town bank.

3. Interest cannot exceed six percent simple.

4. Repayment begins the first day of the fifth month after graduation. If the student leaves school before graduation repayment begins within 30 days.

5. Minimum repayment is $30 per month and cannot exceed $100 per month.

6. While the maximum loan approved by the National Foundation which underwrites the loan is $1,000 per year, Fairmont State College does not approve a loan in excess of $500 per year.

Guaranteed Loans

A new provision of the Higher Education Act of 1965 provides for loans through the home town bank as described under the section above titled United Student Aid. In effect, the provisions are identical with the above except that the Federal Government will pay the interest during the time that the student is enrolled full-time in any institution of higher education and 3 percent of the interest during the payout period which begins three months after leaving full-time attendance, and freshmen are eligible.

The only difference in this and the National Defense Student Loan is that the Guaranteed Loan does not have a teacher cancellation clause.

Educational Opportunity Grant

The Higher Education Act of 1965 provides grants of money to students from low income families. The amount of the grant can range from $200 to $800 depending upon need as evidenced by the family financial statement. These grants are made in the form of a package aid award—so much Educational Opportunity Grant, so much loan, and so much student employment. One-hundred percent financial aid can be provided if the family is not capable of making any contribution. All financial aid applications are reviewed to determine whether or not each applicant might be eligible for this form of assistance. The law provides that the family income for consideration be based as follows:

Parents and 1 dependent child	$3,200
Parents and 2 dependent children	4,000
Parents and 3 dependent children	4,700
Parents and 4 dependent children	5,300
Parents and 5 dependent children	5,800
Parents and 6 dependent children	6,200
Parents and 7 dependent children	6,600

and $400 for each additional dependent

Fairmont State College Foundation Emergency Loan

An emergency loan not to exceed $250 and must be repaid within 90 days. Interest is $.25 per month. The note must be co-signed by a parent or guardian. The applicant must have a "C" average or better and have attended Fairmont State College at least one semester.

SCHOLARSHIPS

Fairmont State College does not have sufficient scholarships to award to all academically deserving students who also have financial need. The Financial Aids Committee examines the applicant's academic background (high school transcript and ACT scores) first and then searches for evidence of financial need.

To be eligible for a scholarship, a student must:

1. Be a West Virginia resident and a graduate of a West Virginia high school.

2. Meet all entrance requirements as prescribed by the West Virginia Board of Education and by Fairmont State College.

3. Must rank in the upper one-fifth of the high school graduating class or have a composite standard score of 22 or higher on the ACT.

4. Produce evidence of financial need.

Application should be made by March 15.

SCHOLARSHIPS AVAILABLE

West Virginia Board of Education Teacher Scholarships

These scholarships are for entering Freshmen and they pay tuition and registration fees ($75 per semester) for four years so long as a satisfactory academic average is maintained. Five are awarded to prospective elementary teachers and five to prospective secondary teachers each year. The recipients are obligated to remain in West Virginia and teach for four years after graduation or repay the amount of money advanced.

West Virginia Board of Education General Scholarships

These scholarships are for entering Freshmen and they pay tuition and registration fees ($75 per semester) for four years so long as a satisfactory average is maintained. The number to be awarded is determined by the school enrollment the previous year. No obligation is placed on the recipient of this scholarship.

Claude Worthington Benedum Freshman Scholarship

These scholarships are for the freshman year only. The amount is $100 each semester so long as a satisfactory average is maintained. The number to be awarded each year is determined by the amount of money received from the Benedum Foundation.

Woman's Hospital Association of Fairmont General Hospital Nursing Scholarship

Full tuition scholarships awarded annually to Marion County residents who are enrolled in the Associate in Art Nursing Program at Fairmont State College. A recipient must either rank in the upper one-fourth of his high school graduating class or score in the upper one-fourth, College Bound Norms, on the ACT. The recipient is obligated to work as a nurse for two consecutive years immediately following graduation at the Fairmont General Hospital or repay the money.

Quota Club of Fairmont Nursing Scholarship

Full tuition scholarships awarded annually to a West Virginia resident who is to be enrolled in the Associate in Art Nursing Program at Fairmont State College. The recipient must either rank in the upper one-fourth of his high school graduating class or score in the upper one-fourth, College Bound Norms, on the ACT. The recipient is obligated to work as a nurse at Fairmont General Hospital for two consecutive years immediately following graduation or repay the amount of money advanced.

Circle W Club Scholarship

Awarded annually to the outstanding academic student whose parent or legal guardian is a member of the Circle W Club of Local IUE 627. The recipient is to attend Fairmont State College and will receive sufficient financial assistance to pay tuition, fees, and books for four years, so long as a satisfactory average is maintained.

Junior League of Fairmont, Incorporated—Memorial Scholarship-Loan Fund

Realizing the importance of education for the advancement of our community, state and nation, the Junior League of Fairmont established a Scholarship-Loan Fund to provide financial assistance to needy students. The Fund, started in April, 1962, is to be a continuous project of the League. The money is to be used in the manner in which Fairmont State College feels it will best serve the needs of worthy students. The Financial Aids Committee will select the recipients.

Non-West Virginia Residents

Fairmont State College recommends that you explore the possibilities for assistance under the Higher Education Authority of your state before applying directly to the College. Most states have such programs and your guidance counselor or home town bank should have the necessary information.

WORKING SCHOLARSHIPS

Among the several work scholarships available are:

(1) Assistant to Director of Public Relations, cash value $70 per semester.

(2) Director of Sports Publicity (preparation of sports news), cash value $70 per semester. Those interested must apply in person to the Director of Public Relations.

(3) Editor of **The Columns**, cash value $75 per year.

(4) Business Manager of **The Columns**, cash value $75 per year.

(5) Editor of **The Mound**, cash value $75 per year.

(6) Business Manager of **The Mound**, cash value $75 per year.

PART-TIME EMPLOYMENT

Opportunities are provided for many students who seek financial assistance through part-time employment. A registry of part-time jobs, available both on and off campus, is maintained in the Office of Student Personnel. On the college campus, students find employment in clerical work, library work, assisting instructors, kitchen and dining room work, maintenance, and other similar activities.

The Office of Student Personnel assists students in finding part-time employment off campus. Many students work in stores, factories, garages, filling stations, and private homes.

REGULATIONS FOR STUDENT AID AND OTHER EMPLOYMENT

1. Students employed on the student aid basis may not be employed ordinarily for more than sixty-five hours in any one month. In exceptional circumstances, and when approved by the Financial Aids Committee, students may be employed to a maximum of ninety hours per month.

2. Students enrolled for more than six semester hours may not be employed by the College except on a student-aid basis.

3. Full-time employees of the College may not enroll for any academic work other than that obtainable outside of their regular work schedule.

4. The awarding of scholarships, student loans, and student employment, including assistance to athletes, is handled through the Office of Student Personnel. All employed students, including athletes, are required to give full and honest work for pay received.

5. First semester freshmen are not employed on campus nor recommended for employment off campus. The position of the college is that students should not work during the first semester while they are making the adjustment to college life.

STUDENT AUTOMOBILE REGULATIONS

Because of the large number of cars used by students, traffic on the college campus is seriously congested. In the interest of safety and service rigid regulations have become necessary. The administration of these regulations is in the hands of a Traffic Committee. All parking is limited to defined areas, and restricted parking is established in certain areas.

All motor vehicles operated by students must be registered and properly identified by campus registration stickers.

Students failing to comply with this regulation will be considered improperly registered.

Failure to comply with motor traffic regulations will result in the loss of parking privileges. Persistent violators will be subject to temporary or even final suspension from classes.

Each student using an automobile on the campus is expected to be familiar with the traffic regulations.

PHYSICAL EXAMINATION

All students admitted to Fairmont State College, or who have been absent for two semesters, are required to have a physical examination by their personal physician. The physical examination forms will be sent to the student in time for the student to obtain the physical examination before reporting for Orientation Week. Failure to comply with the regulation on the part of the student will result in suspension until the regulation has been met.

HEALTH SERVICE

A physician and registered nurse are available to examine and advise students in matters pertaining to their health. On school days from 8 a.m. until 4:30 p.m., the college nurse may be found in her office in the Colebank Gymnasium for first aid and for the treatment of minor ailments of students and faculty. The college physician has regular campus office hours.

Group student hospital insurance is available to all full-time students at a very reasonable price. Each prospective student is mailed information pertaining to this insurance prior to the opening of school in the fall.

All prospective student teachers must present a health certificate from the Health Service to the supervisor of student teaching before they may be assigned to student teaching.

FOOD SERVICE

Breakfast, lunch, and dinner are served daily in the College Dining Hall with the exception of an evening meal on Sunday. Menus are carefully planned to provide nutritive diets with an attractive service at a reasonable price.

STUDENT CENTER BUILDING

The Student Center is a modern, spacious building centrally located on the campus.

On the ground floor, a large area has been finished for the Book Store and recreational purposes. The campus snack bar is located on the second floor, providing fountain service, soft drinks, coffee, cigarettes and confections. The center business offices for staff members is on this floor. The top floor contains the ballroom floor with facilities for such events as teas and receptions. All facilities of the Student Center are available to student groups for meetings, parties, dances and other social affairs.

BOOKS AND SUPPLIES

A modern college bookstore is maintained in the Student Center for the convenience of students. Textbooks and school supplies of all kinds may be purchased.

REQUIREMENTS FOR BACHELOR OF ARTS AND SCIENCE

The courses required in the several departments leading to the Bachelor of Arts or Bachelor of Science degrees may be conveniently described in four categories, viz., General Requirements, Majors, Minors, and Electives. General requirements include those courses required of all students with regard to the area of concentration. A major is defined as the area of greatest concentration, or, more specifically, as the department in which the most credit is earned. A minor is the area of second greatest concentration, or in other words, the department second to the major in the amount of credit earned. Electives are those courses not included in the other categories.

Degrees are offered by departments as follows:

Bachelor of Arts Degree

- Art
- English
- History
- French
- Mathematics
- Music
- Psychology
- Sociology
- Speech and Dramatics

Bachelor of Science Degree

- Biology
- Business Administration
- Chemistry
- Engineering Technology
- Home Economics
- Mathematics
- Physical Education
- Recreation
- Secretarial Studies

All degrees granted by Fairmont State College have the same minimum requirements with regard to semester hours credit and quality point average. The minimum credit is 128 semester hours with an average of 2.0 quality points per semester hour for a course entered on the student's permanent record card. The credit varies among departments, but in all cases the quality point average for a major or minor must be 2.0 or better. **It is also a requirement for any degree granted by this college that the mean of the quality point averages for all courses not included in the major or minor fields be 2.0 or better.** Moreover, all candidates for a Bachelor of Arts or Bachelor of Science degree must have both a major and a minor.

Courses taken to satisfy the general requirements, or their equivalents, will be included in the major or minor. Thus, a major student in English would count the general requirements in composition and literature as part of his major work.

Twelve hours of one foreign language is a general requirement for the Bachelor of Arts degree for those who entered college for the first time in September, 1955 or later. Three hours of this requirement may be waived for each unit of the language presented as entrance credit, provided that the student is competent to continue the study of the language at the appropriate college level.

A student pursuing courses leading to the degrees of Bachelor of Arts and Bachelor of Science, who also meets state certification requirements in two or more teaching fields and in the professional courses, will be recommended for a professional (first class) teaching certificate in the areas in which he may be qualified. These persons are warned, however, that the requirements for

the Bachelor of Arts and Bachelor of Science degrees differ considerably from those of the Bachelor of Arts in Education Degree. The Bachelor of Arts in Education degree automatically qualifies the student for a professional (first class) certificate. The other degrees do not.

It is the responsibility of the student to know and meet all requirements. The catalog is published for the primary purpose of providing students with a source book of information pertaining to the College resources and requirements. Additional information or clarification of the statements in the catalog may be obtained from the advisor or the Registrar.

GENERAL STUDIES REQUIREMENTS FOR THE BACHELOR OF ARTS AND THE BACHELOR OF SCIENCE DEGREES

Required Areas	**Cat. No.**	**Sem. Hours**
THE HUMANITIES		
English Language		
Written English	*102, 104, 108	6-9
Spoken English	Sp. 101	3
Literature		
English Literature	251 or 252	3
American Literature	261 or 262	3
Art Appreciation	255	2
Music Appreciation	205	2
**Language		
French or German	101, 102, 201, 202	12
SCIENCE & MATHEMATICS		
Biological or Physical Sciences	101, 102, or 201, 202	6
Mathematics	110 or higher	3
THE SOCIAL SCIENCES		
Sociology	210	3
Economics	201	3
Political Science	103	3
History	111, 112	6
History	207 or 208	3
PHYSICAL EDUCATION		
Women	102W, 103W	2
Men	114M, 115M	2
PSYCHOLOGY	103	3

*Required only of students with a deficiency in English.

**Required of all candidates for the Bachelor of Arts degree.

SPECIFIC REQUIREMENTS IN ALL MAJOR FIELDS

ART

MAJOR		36 Sem. Hrs.
History of Art		11
255 History and Appreciation of Art	2	
278 Ancient and Medieval Art	3	

377	Italian and Northern Renaissance Art	3
378	Nineteenth Century and Contemporary Art	3

Studio Work (Selected from two or more areas: see courses listed under Ceramics and Sculpture, Design, Drawing, Painting, and Graphics) 25

Ceramics and Sculpture

283	Modeling and Sculpture	3
284	Modeling and Sculpture	3
383	Ceramics	3
384	Ceramics	3
483	Advanced Sculpture	2
484	Advanced Sculpture	2

Design

*140	Art Structure and Applied Design	3
*141	Art Structure and Applied Design	3
392	Textile Design	3
491	Interior Design	3

Drawing

*142	Drawing	2
241	Drawing from Life	2
242	Drawing and Painting from Life	3

Painting

361	Painting in Oil	3
362	Painting in Oil	3
363	Painting in Watercolor	3
364	Painting in Watercolor	3
461	Advanced Painting in Oil	3
463	Painting in any Medium	3

*Required Courses

MINOR IN ART 24 Sem. Hrs.

History of Art Courses (See Above)	5
Studio Work Courses (See Above)	19

BIOLOGY

MAJOR 30 Sem. Hrs.

Required courses in Biological Science

Biology 101, 102, Introduction to Biology 6

A minimum of 6 hours from each group is required:

Group A: Botany 6

Biology	201	General Botany	4
	330	Field Botany	3
	340	The Plant Kingdom	3
	341	The Plant Kingdom	3
	342	Mycology	3
	343	Plant Pathology	3
	451	Plant Physiology	3

Group B: Zoology				6
Biology	315	Field Zoology	3	
	220	Invertebrate Zoology	4	
	221	Vertebrate Zoology	4	
	350	Comp. Anatomy of Vertebrates	4	
Electives in Biological Science				12

Required related courses

Chemistry 101, 102	8 Sem. Hrs.
Physics 101, 102	8 Sem. Hrs.
Mathematics 110 or higher	6 Sem. Hrs.

MINOR	24 Sem. Hrs.
Required courses in Biological Science Same as Major	18
Electives in Biological Science	6
Required related courses	
Chemistry 101, 102	8
Physics 101, 102	8
Mathematics 110 or higher	6

BUSINESS ADMINISTRATION

MAJOR 39 Sem. Hrs.

Required Courses

Business	✓201, 202	Principles of Accounting	6
	304	Principles of Marketing	3
	306, 307	Business Law	6
	✓308	Personnel Management	3
	✓309	Indus. Organization and Man.	3
	✓310	Business Statistics	3
	✓401	Business Finance	3
Economics	✓201, 202	Econ. Principles and Problems	6
	303	Money, Credit, and Banking	3
	405	Managerial Economics	3

MINOR: Business Administration 18 Sem. Hrs.

Business 201, 202, 304, 401, or 309
Economics 201, 202

MINOR: Economics

Business 304, 310
Economics 201, 202, 303, 405

CHEMISTRY

MAJOR

Required Courses 36 Sem. Hrs.

Chemistry	101, 102	General Chemistry	8

201, 202 Qualitative Quantitative Analysis	8	
301, 302 Organic Chemistry	8	
350 Instrumental Analysis	4	
405, 406 Physical Chemistry	8	
Related Courses		8
Physics 101, 102 Introduction to Physics	8	
Language		
French 101, 102 or German 101, 102	6	
French 201, 202 or German 201, 202	6	
Mathematics through Calculus III		12-15
MINOR		24 Sem. Hrs.
Required Courses		
Chemistry 101, 102 General Chemistry	8	
201, 202 Qualitative Quantitative Analysis	8	
301, 302 Organic Chemistry or 405, 406 Physical Chemistry	8	

ENGLISH

MAJOR		36 Sem. Hrs.
Required Courses, Studies and Practice in the English Language 104, 108, 321	9	
Required Courses, Literature 251, 252, 261, 262	12	
Electives 300-400 level, Literature Courses	9	
Electives, 300-400 level, Composition and Language Courses	6	
Foreign Language One selected from French or German		12 Sem. Hrs.
MINOR		30 Sem. Hrs.
Required Courses, Studies and Practice in the English Language 104, 108, 321	9	
Required Courses, Literature 251, 252, 261, 262	12	
Electives, 300-400 level, Literature Courses	6	
Electives, 300-400 level, Composition and Language Courses	3	

FRENCH

MAJOR		30 Sem. Hrs.
Required Courses		15
101, 102 Elementary French or equivalent	6	
*201, 202 Second Year French	6	
308 French Conversation	3	
Electives		15
210 Masterpieces of French Literature	3	
301 Literature of the 17th Century	3	
302 Literature of the 18th Century	3	
309 Adv. Grammar and Comp.	3	
421 Literature of the 19th Century	3	
422 Literature of the 19th Century	3	
431 French Civilization and Culture	3	
321 Contemporary Literature	3	

*French 210 may be substituted for French 201 or 202.

MINOR	24 Sem. Hrs.
Required Courses 101, 102, 202, 308	15
Electives To be selected from electives for major.	9

GERMAN

MINOR		21 Sem. Hrs.
Required Courses		
101, 102 First Year German, or equivalent	6	
201, 202 Intermediate German	6	
Electives from the following courses:		
210 Masterpieces of German Literature	3	
301 The German Novelle	3	
302 German Drama and Lyric Poetry	3	
303 Special Topics	3	

HISTORY

MAJOR		30 Sem. Hrs.
Required Courses		
111, 112 History of Civilization	6	
207, 208 United States History	6	
470 Seminar	3	

The remaining 15 semester hours in history are to be elected with the advisor's approval, but the student must take at least one course from each of the three groups listed below. History majors may not apply 431, Special Methods, toward the 30 hours requirement.

GROUP I

312	Diplomatic History of the United States	3
315	Colonial America	3
317	Civil War and Reconstruction	3
320	American Economic History	3
370	American Intellectual History	3
410	Recent America	3

GROUP II

310	History of England	3
330	Europe from 1300 to 1763	3
331	Europe from 1763 to 1850	3
340	Europe from 1850 to 1919	3
341	Europe from 1919 to the Present	3
360	European Intellectual History	3

GROUP III

350	Latin America: The Colonial Period	3
351	Latin America: The National Period	3
421	History of Russia	3
422	History of the Far East	3
423	History of Southeast Asia	2

MINOR 18 Sem. Hrs.

Required Courses

111, 112 History of Civilization	6
207, 208 United States History	6

Electives

Any other history courses except 431	6

HOME ECONOMICS

MAJOR 35 Sem. Hrs.

Required Courses

101	Principles of Clothing Construction	2
102	Advanced Clothing Selection	3
103	Principles of Clothing Selection	2
201	Principles of Food Selection and Preparation	3
202	Advanced Foods	3
210	Textiles	3
303	Nutrition	3
310	Family Life Education	3
312	Consumer Education	3
315	Home Management	3
320	Home Planning and Furnishing	4
330	Child Care and Development	3

Required Related Courses

Language—Modern Foreign	6
Chemistry	8
Electives in Science (Consent of Advisor)	4

MINOR 26 Sem. Hrs.

Same requirements as listed under Home Economics Subject Specialization for grades 5 through 9.

JOURNALISM

MINOR 16 Sem. Hrs.

240	Reporting	3
260	News Photography	2
270	Communications in Society	2
271	History of American Journalism	3
312	Publication Problems	3
343	Copy Editing and Make-Up	3

MATHEMATICS

MAJOR* 31 Sem. Hrs.

Required Courses 25

115	Intermediate Mathematics II	4
116	Calculus I	4
215	Calculus II	4
216	Calculus III	4
361	Abstract Algebra	3
391	Introduction to Analysis	3
401	Differential Equations	3

Electives in Mathematics 6
(To be selected by student and advisor)

Language: French or German 12

MINOR 25

Required Courses
115, 116, 215, 216, 361, 391, 401

*It is expected that students will present a minimum of four units of high school mathematics including two units of algebra, one unit of integrated geometry (or equivalent), and a fourth unit requiring algebra and geometry as prerequisites. Students who present less than this expected preparation may be required to complete appropriate courses from Math 109, 111, 112, in addition to the above requirements.

ENGINEERING TECHNOLOGY

Foundation courses required of all candidates for the B.S. Degree in Engineering Technology specializing in the following technical options: construction, drafting, electrical-electronic, industrial, mechanical and mechanical power (Printing technology is a separate listing. See page 55).

FOUNDATION COURSES 29 Sem. Hrs.

I. E.	101	Basic Electricity I	2
	102	Basic Electricity II	2
	110	Basic Electronics I	2
	111	Basic Electronics II	2
	120	Drafting I	2
	220	Drafting II	2
	170	Statics	3
	270	Strength of Materials	3
	271	Strength of Materials Lab.	1

	180	Materials & Processes of Industry	2
	190	Industrial Orientation	NC
	191	Personnel Prob. & Labor Rel.	2
Bus.	227	Industrial Organization	3
	327	Accounting for the Technician	3

Students pursuing a major in Engineering Technology will be required to take the following courses or equivalents:

19 Sem. Hrs.

Math.	112	Intermediate Mathematics I or higher	3
Chem.	101-102	General Chemistry	8
Phy.	101-102	Introduction to Physics	8

Twenty semester hours of credit in any one of the following groups in addition to the foundation courses, will constitute a major unit of work in the respective area of specialization.

CONSTRUCTION TECHNOLOGY OPTION

20 Sem. Hrs.

I. E.	122-222	Architectural Drafting I & II	2-2
	160	Hand Woodworking	2
	260	Machine Woodworking	2
	166	Building Construction (Residential) I	2
	266	Building Construction (Industrial) III	2
	274-374	Graphic Solutions I & II	2-2
	321	Structural Drafting	2
	322	Architectural Design	2
	366-466	Construction Theory and Lab. I & II	2-2
	372	Surveying	2
	373	Computing & Estimating	2
	375	Plumbing & Sanitation	2
	376	Heating & Air Conditioning	2
	392	Blueprint Reading	2-3
	473	Contracts & Specifications	2
	474	Codes & Practices	2

DRAFTING TECHNOLOGY OPTION

20 Sem. Hrs.

I. E.	122-222	Architectural Drafting I & II	2-2
	123	Machine Design	2
	221	Graphic Illustration	2
	223	Jigs & Fixtures	2
	274-374	Graphic Solutions I & II	2
	320-420	Drafting Room Techniques I & II	2-2
	321	Structural Drafting	2
	322	Architectural Design	2
	323-423	Electrical Drafting I & II	2-2
	373	Computing and Estimating	2
	392	Blueprint Reading	2-3
	421	Drafting, Planning & Scheduling	2
	422	Architectural Drafting III	2
	473	Contracts and Specifications	2
	474	Codes and Practices	2

ELECTRICAL-ELECTRONIC TECHNOLOGY OPTION 20 Sem. Hrs.

I. E.	201-202	Electrical Measurements Laboratory I & II	2-2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	315	Industrial Electronics & Controls	2
	316-317	Advanced Electronics I & II	2-2
	323-423	Electrical Drafting I & III	2-2
	371	Thermodynamics	3
	374	Graphic Solutions II	2
	379	Industrial Economy	3
	475	Dynamics	3

INDUSTRIAL TECHNOLOGY OPTION 20 Sem. Hrs.

I. E.	167-267	Machine Shop I & II	2-2
	192	Personnel Administration	2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	221	Graphic Illustration	2
	274-374	Graphic Solutions I & II	2-2
	315	Industrial Electronics & Controls	2
	370-470	Manufacturing Processes I & II	2-2
	377	Time & Motion Study	2
	378	Plant Layout & Materials Handling	2
	379	Industrial Economy	3
	392	Blueprint Reading	2-3
	415	Electrical Maintenance	2
	477	Industrial Management	2
	478	Production Controls	2

MECHANICAL TECHNOLOGY OPTION (ENGINEERING) 20 Sem. Hrs.

I. E.	123	Machine Design	2
	161-261	Gas Welding I & II	2-2
	162-262	Arc Welding I & II	2-2
	167-267	Machine Shop I & II	2-2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	223	Jigs & Fixtures	2
	245	Hydraulics	2
	315	Industrial Electronics & Controls	2
	274-374	Graphic Solutions I & II	2-2
	345	Pneumatics	2
	360	Metallurgy	2
	370-470	Manufacturing Processes I & II	2-2
	371	Thermodynamics	3
	379	Industrial Economy	3
	392	Blueprint Reading	2-3
	445	Fluid Mechanics	3
	475	Dynamics	3

MECHANICAL TECHNOLOGY OPTION (POWER MECHANICS) 20 Sem. Hrs.

I. E.	140	Engine Theory I	2
	141	Engine Laboratory I	2
	142	Power Transfer Theory I	2
	143	Power Transfer Laboratory I	2

	144	Carburetion and Ignition Theory I	2
	145	Carburetion and Ignition Laboratory I	2
	146	Hydraulic and Suspension Systems Theory I	2
	147	Hydraulic and Suspension Systems Lab. I	2
	270	Strength of Materials	3
	271	Strength of Materials Laboratory	1
	274	Graphic Solutions I	2
	371	Thermodynamics	3
	445	Fluid Mechanics	3
	475	Dynamics	3

COOPERATIVE WORK STUDY 12 Sem. Hrs.

I. E.	492	Work Study Seminar	4
	493	Work Study Laboratory	8

Cooperative work study program may be waived for students who are employed full or part time if such employment is approved by the Director of Technical Education.

REQUIRED COURSES AND SUGGESTED SCHEDULE FOR THE B.S. DEGREE IN PRINTING TECHNOLOGY

FIRST YEAR

*102	English	3	104	English	3
111	Mathematics	3	112	Mathematics	3
101	Chemistry	4	102	Chemistry	4
120-220	I. E.	4	191	I. E.	2
114	HPERS	1	180	I E.	2
111	History	3	115	HPERS	1
			112	History	3
		18			18

SECOND YEAR

108	English	3	101	Speech	3
251 or 252	English	3	261 or 262	English	3
227	Business	3	102	Physics	4
101	Physics	4	201	Economics	3
130	I. E.	2	134	I. E.	2
131	I. E.	2	234	I. E.	2
		17			17
492	I. E. Work Study Seminar	4	493	I. E. Work Study Lab.	8

THIRD YEAR

103	Pol. Sci.	3	210	Soc.	3
103	Psych.	3	207	History	3
205	Music	2	255	Art	2
240	Journalism	2	312	Jouralism	3
101 or 102	Typing	2	133-233	I. E.	4
132-232	I. E.	4			
		17			15

FOURTH YEAR

334	I. E.	2	435	I. E.	4
434	I. E.	2	335	I. E.	3
327	Business	3		Approved Electives	4
235	I. E.	3		Approved Electives	4
	Approved Electives	4			
		14			15

*Required only of students with deficiency in English.

MUSIC

For Departmental Requirements See Page 79.

MAJOR			48 Sem. Hrs.
Required Courses			
Theory			12
*109E	Beginning Theory	(2)	
109-110	Theory	8	
209	Theory	4	
Applied Music			10
107	Piano	4	
141	Voice	2	
**211-217	Orchestral Instruments	4	
Appreciation			8
205	Music Appreciation	2	
313	History	3	
314	History	3	
Conducting			5
245	Fundamentals of Conducting	2	
429 or 430	Instrumental or Choral Methods (Includes Advanced Conducting)	3	
Participation			8
169	Band	1-4	
173	College Chorus	1-4	
275	Advanced Instrumental Ensemble	1-4	
277	Advanced Vocal Ensemble	1-4	
Electives			5

MINOR			26 Sem. Hrs.
Theory			8
*109E	Beginning Theory	(2)	
109-110	Theory	8	
Appreciation			2
205	Music Appreciation	2	
Applied Music			8
107	Piano (Min. 3)		
141	Voice (Min. 1)		
211-217	Orchestral Instruments (Min. 3)		
Conducting			5
245	Fundamentals of Conducting	2	
429 or 430	Instrumental or Choral Methods (Includes Advanced Conducting)	3	
Participation (See Courses Above)			3

*Does not apply to theory requirements and may be eliminated by examination.

**Advanced work on organ or a special orchestral instrument may be done to satisfy the 4 hours required in this group.

PSYCHOLOGY

MAJOR		27 Sem. Hrs.
Required Courses		
103 General Psychology	3	
250 Experimental Psychology	3	
300 Psychology of Personal Adjustment	3	
325 Abnormal Psychology	3	
350 Statistics	3	
375 Physiological Psychology	3	
400 Psychomatrics	3	
425 Clinical Psychology	3	
460 Seminar	3	

MINOR 12 Sem. Hrs.

Required Courses
103, 250, 350 plus one elective course in Psychology

PHYSICAL EDUCATION

The requirements for the Bachelor of Science degree in Physical Education are the requirements for Bachelor of Arts in Education degree.

POLITICAL SCIENCE

MINOR		15 Sem. Hrs.
Required Courses		
103 American National Government	3	
Electives		
Any other Political Science courses	12	

PHYSICS

MINOR 22-25 Sem. Hrs.

Required Courses
Physics 101, 102, 201, and 310.
Physics 320, 321, or 420, 421.
Physics 340
Mathematics 112, 115, and 116.

RECREATION

MAJOR		44 Sem. Hrs.
Professional Recreation		12
282 Community and Industrial Recreation	3	
384 Camping and Youth Organizations	3	
385 Recreational Leadership	3	
386 Recreational Field Work and Inspection Trips	3	
362 Organization and Administration of Health, Physical Education and Recreation	3	

Health and Safety			12
100	Personal Health	3	
101	First Aid	3	
202	Community Health	3	
203	Safety	3	
310	School Health Problems	3	
Activities and Sports			12
	Twelve semester hours—to be selected by advisor		
Rhythms and Creative Arts			8
146	Social Dancing	1	
148	Modern Dance	1	
247	Folk and Square Dance	2	
186	Recreational Crafts (I.E.)	2	
286	Crafts (I.E.)	2	
151	Play Production (Speech)	2	
152	Theatre Workshop (Speech)	2	
240	Reporting (Journalism)	3	

SECRETARIAL STUDIES

MAJOR 31 Sem. Hrs.

Required Courses

102	Intermediate Typewriting	2
211	Advanced Typewriting	2
251	Business Correspondence	2
301, 302	Advanced Shorthand and Transcription	8
303	Principles and Practices of Filing	2
311	Office Machines	2
314	Dictation and Transcription	2
351	Secretarial Office Practice	3
201, 202	Principles of Accounting	6
Home Ec 103	Principles of Clothing Selection	2

MINOR 21 Sem. Hrs.

Required Courses

101, 102	Beginning and Intermediate Typewriting or	
211	Advanced Typewriting	4
201, 202	Beginning Shorthand	8
301	Advanced Shorthand	4
311	Office Machines	2
201	Principles of Accounting	3

SOCIOLOGY

MAJOR 24 Sem. Hrs.

Required Courses			12
210	Introductory Sociology	3	
301	Anthropology	3	
305	Social Psychology	3	
310	Marriage and the Family	3	
Electives			12

Selected from the offerings of the Department of Sociology with the Advisor's approval.

MINOR			18 Sem. Hrs.
Required Courses		9	
210 Introductory Sociology	3		
301 Anthropology	3		
305 Social Psychology	3		
Electives		9	

Selected from the offerings of the Department of Sociology with the Advisor's approval.

SPEECH AND DRAMATICS

MAJOR			30 Sem. Hrs.
Required Courses		23	
101 Fundamentals of Speech	3		
105 Voice and Diction	3		
151 Play Production	2		
221 Oral Interpretation	2		
237 Effective Speaking	2		
243 Debate	2		
245 Oratory	1		
330 Fund. of Radio and T.V.	2		
336 Play Directing	2		
336L Play Directing Lab.	1		
430 Speech Correction	3		
Electives		7	

MINOR 24 Sem. Hrs.

Required Courses:

Same as required courses for the major with one hour of elective in the field.

SPECIAL CURRICULA

PRE-PROFESSIONAL CURRICULA

The courses outlined below are organized to meet the needs of those students who plan to continue their work in some professional school after one or two years as a student in Fairmont. Since most of this work is basic in character it may be used in meeting the requirements for graduation from Fairmont State College.

Pre-professional work is offered in the following fields:

Dentistry
Law
Medicine
Medical Technology
Pharmacy
Social Work

An outline of the courses to be included in the pre-professional curricula listed above is outlined below for the use of students and advisors. Since the majority of students doing such work will later enter the professional schools at West Virginia University, the courses have been prepared with the idea of meeting the requirements laid down by University authorities for their own pre-professional students. Students expecting to enroll in other professional schools should procure a catalogue from the school they expect to enter with advanced standing so that the course taken here will meet the requirements they need to meet. The pre-professional field advisor will assist students in making all necessary adjustments.

The arrangement of courses of the pre-professional curricula by years may have to be varied somewhat to meet schedule situations and the interests of students. The pre-professional advisors should, however, be consulted as regards any such changes before they are made.

PRE-DENTAL CURRICULUM

Students enrolled in pre-dentistry should plan their programs in relation to the requirements of specific college of dentistry, for the entrance requirements differ somewhat among various colleges. They should obtain a catalog from the school of their choice, and use it as a guide in selecting their courses in Fairmont. Only students with a B average, or higher will be urged to continue dental training.

A recommended schedule for a two-year pre-dental course in Fairmont State College follows:

Course	First Year Hrs.	Hrs.	Second Year Hrs.	Hrs.
English 104, 108	3	3		
Chemistry 101, 102	4	4		
Biology 101, 102	3	3		
Biology *Electives			4	
Physics 101, 102			4	4
Chemistry 301, 302			4	4
Electives (To fulfill requirements of specific professional school)		3	3	3

*Some dental schools specifically require zoology. In most instances, biology or zoology courses will meet requirements. There normally should be an opportunity to include 3-4 hours of elective courses in the first year.

PRE-LAW CURRICULUM

Fairmont State College no longer offers a distinct Pre-Law curriculum, for the policy of law schools generally is to admit only those applicants who have been graduated with at least a bachelor's degree. Narrow curricula are no longer specified. Students, therefore, who are working toward entrance to law school should consult with the Pre-Law advisor and follow his recommendations.

PRE-MEDICAL CURRICULUM

Students planning to study medicine will find ample opportunity to prepare for this profession at Fairmont State College. Courses in the physical and biological sciences are adequate to meet the requirements of any medical college. The pre-medical student, however, should understand that medical colleges do not regard the basic sciences as the only important area in the preparatory program for the profession. Indeed the trend is definitely to favor general education over a narrow, specialized science concentration. The pre-medical curriculum at Fairmont has been developed in consideration of this trend.

Most medical colleges expect or require applicants to be graduates of a four-year college, but some students may be admitted upon completion of a three-year curriculum. Graduates of Fairmont who have completed the pre-medical curriculum with good marks are readily accepted by several outstanding medical colleges. One should know, however, that mediocre work is not a recommendation for entrance to any professional school. Consequently, only the better students can be confident of admission to a medical college.

SUGGESTED SCHEDULE

Frst Year

English	104, 108	Written English	6 Hrs.
History	111, 112	History of Civilization	6 Hrs.
Chemistry	101, 102	General Chemistry	8 Hrs.
Mathematics	112, 115	Intermediate Math I & II	6 Hrs.
Phys. Ed.	114M, 115M	Freshman Orientation	2 Hrs.
Biology	101, 102	Introduction to Biology	6 Hrs.

Second and Third Years

Sociology	210	Introductory Sociology	3 Hrs.
Physics	101, 102	Introduction to Physics	8 Hrs.
Pol. Science	103	Amer. National Government	3 Hrs.
Art	225	Hist. and App. of Art	2 Hrs.
Chemistry	301, 302	Organic Chemistry	8 Hrs.
French	201, 202	Second Year French	6 Hrs.
Speech	101	Fundamentals of Speech	3 Hrs.
Biology	221, 350	Vertebrate Zoo. & Comp. Anat.	8 Hrs.
Music	205	Music Appreciation	2 Hrs.
History	207 or 208	American History	3 Hrs.
Psychology	103	General Psychology	3 Hrs.
Chemistry	405	Physical Chemistry	4 Hrs.
Electives			30 Hrs.

PRE-PHARMACY CURRICULUM

National requirements for the study of pharmacy require five years of study beyond high school. The curriculum requires the completion of two years of pre-pharmacy and three years of study and training in a professional school of pharmacy. Prospective pharmacy students should, of course, plan their programs in such a manner as to insure meeting requirements of the particular professional school of pharmacy to which they wish to transfer. The following two-year preparatory program is suggested.

Course	First Year Hrs.	Hrs.	Second Year Hrs.	Hrs.
English 104, 108	3	3		
Chemistry 101, 102	4	4		
Biology 101, 102	3	3		
Mathematics 112	3			
Phys. Ed. 102W, 103W, or 114M, 115M	1	1		
Mathematics 115		3		
Economics 201			3	
Physics 101, 102			4	4
Electives (To fulfill requirements of specific professional school)			2	4

PRE-MEDICAL TECHNOLOGY CURRICULUM

Any student interested in the Pre-Medical Technology Curriculum should understand that fulfilling the requirements of a two-year program calls for careful planning. Moreover, this curriculum is only preparatory for further work in some institution—hospital or university—accredited for training medical technologists. The student, therefore, should plan his program not only for the two-year curriculum at Fairmont State College but also for curriculum at a school of medical technology.

To be admitted to the curriculum at this college, the student must be a graduate of an accredited four-year high school and must present a minimum of one unit credit in algrebra and one unit in plane geometry as a part of the entrance requirements. The college work shall include credit as follows:

English. 6 semester hours.
Biological Science. 8 semester hours in general biology and zoology.
Chemistry. 20 semester hour—8 hours in inorganic, 4 hours in quantitative analysis, and 8 hours in organic.
Physics. 8 semester hours.
Physical Education. 2 semester hours.
Electives. (To fulfill requirements of specific professional school.)
Mathematics. 3 semester hours. (Mathematics 112 or higher)

PRE-SOCIAL WORK CURRICULUM

The pre-professional curriculum in Social Work is designed to meet the needs of the students who plan to enter the School of Social Work at West Virginia University, or other approved schools of social work. Professional education for the many positions available for professional social workers is on a graduate basis in all accredited schools of social work. The undergraduate program, which may be obtained completely at Fairmont State College, includes broad and intensive preparation in the social sciences and related fields.

Students who choose this curriculum must satisfy all the requirements prescribed for the Bachelor of Arts. They should elect their major in sociology, or social science and meet the requirements set up for majors of those fields. The program for this curriculum should be planned in consultation with the chairman of the Department of Sociology.

TWO-YEAR CURRICULA*

Fairmont State College now offers several special curricula each of which require completion of 64-77 semester hours with a **quality point average of 2.0 or better.** These curricula are now available in the following areas:

- Accountancy
- Clerical
- Nursing Education
- Secretarial
- Technical Education

The purpose of these curricula is to provide desirable vocational training for those persons who are unable to complete an entire four-year course without interruption, and for those persons who desire some college training organized with a definite objective in mind to contrast to a more or less random selection of courses. These curricula are organized in such a manner as to be complete within themselves. The quality of the instruction offered will be identical with that in the four-year curricula.

Fairmont State College is authorized by the State Board of Education to issue the certificate of Associate in Arts or Associate in Science upon the successful completion of any of these special two-year curricula. Application for the certificate must be made while the student is enrolled at Fairmont State College. The student may choose not to complete all the requirements of a special curriculum and, after an evaluation, may select the program leading toward a baccalaureate degree instead. **A 2.0 average for all courses attempted and for those in the area of specialization is required.**

The two-year curricula in the Department of Commerce are Terminal Vocational programs. Credits earned under the two-year curricula in accounting, clerical, and secretarial may be transferred to a degree program ONLY upon review and approval of the Registrar.

ACCOUNTING CURRICULUM 64 Sem. Hrs.

Required Courses

Bus.	141	Business Mathematics	3
Bus.	201, 202	Principles of Accounting	6
Bus.	301, 302	Advanced Accounting	6
Bus.	306	Business Law	3
Bus.	406, 407	Income Tax, Indiv. & Corporate	6
Econ.	201, 202	Principles and Problems	6
Eng.	102 or 104, 108	Written English	6
Sec. St.	101, 102	Begin. Typewriting and Intermediate Typewriting or Advanced Typewriting	4
Psy.	103	General Psychology	3
Speech	101	Fundamentals of Speech or Speech Improvement	3
Electives			18

*See Special Bulletin for Two-Year Curricula for additional information.

SECRETARIAL CURRICULUM 64 Sem. Hrs.

Two Years

Required Courses

Bus.	102	Introduction to Business	3
Bus.	141	Business Mathematics	3
Eng.	102 or 104, 108	Written English	6

Sec. St.	101, 102	Begin. & Intermed. Typewriting	4
Sec. St.	204	Secretarial Accounting	3
Sec. St.	201, 202	Begin. Shorthand	8
Sec. St.	211	Advanced Typewriting	2
Sec. St.	251	Business Correspondence	2
Sec. St.	301, 302	Adv. Shorthand & Transcript	8
Sec. St.	303	Principles & Practices of Filing	2
Sec. St.	311	Office Machines	2
Sec. St.	314	Dictation & Transcription	2
Sec. St.	351	Sec. Office Practice	2
Sec. St.	351L	Sec. Office Practice Lab.	1
Psy.	103	General Psychology	3
Home Ec.	103	Principles of Clothing Selection	2
Speech	101 or	Fundamentals of Speech	3
	107	Speech Improvement	2
Electives			8-9

CLERICAL CURRICULUM 64 Sem. Hrs.

Two Years

Required Courses

Bus.	102	Introduction to Business	3
Bus.	141	Business Mathematics	3
Bus.	201, 202	Principles of Accounting	6
Eng.	102 or 104, 108	Written English	6
Sec. St.	101, 102	Begin. & Intermd. Typewriting	4
Sec. St.	211	Advanced Typewriting	2
Sec. St.	251	Business Correspondence	2
Sec. St.	303	Principles & Practices of Filing	2
Sec. St.	311	Office Machines	2
Sec. St.	351	Sec. Office Practice	2
Sec. St.	351L	Sec. Office Practice Lab.	1
Psy.	103	General Psychology	3
Home Ec.	103	Principles of Clothing Selection	2
Speech	101 or	Fundamentals of Speech	3
	107	Speech Improvement	2
Electives			23-24

NURSING EDUCATION

Students in the first class of the Associate Degree Nursing Program of Fairmont State College enrolled in September of 1964. The program is two academic years and one six-week summer session in length.

Community agencies are used for selected learning experiences. Those included are hospitals. clinics, schools, homes for the aged and the state mental institution.

The purpose of the program is the development of the individual as a person, a citizen and as a beginning practitioner of nursing at the bedside level. A balance of general education and specialized education makes up the curriculum. The graduates are eligible to take the West Virginia State Board examination for licensure as a registered nurse.

A 2.0 overall quality point average and a "C" in each nursing course is required to continue in the program. Professional nursing courses may not be applied to the Baccalaureate Degree Program.

The tuition fees required for the nursing students are the same as those required of all students in the college. Additional cost to nursing students will include uniforms, special equipment, special achievement examinations, cost of living while affiliating at a state hospital during the summer session.

NURSING EDUCATION CURRICULUM

First Year

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Eng. 102 or 104, Written English	3	Eng. 104 or 108, Written English	3
Phy. Sci. 201. Gen. Physical Sci.	3	Phy. Sci. 202, Gen. Physical Sci.	3
Biol. 101, Intro. to Biology	3	Psych. 103, General Psychology	3
Nsg. 101, Fundamentals of Nursing	5	Nsg. 201, Medical-Surgical	8
Home Ec. 110, Nutrition	2	Total Hours	17
Nsg. 100, Med. Sci. in Nursing	2		
Total Hours	18		

Summer Session (Six Weeks)

Nsg. 203 Psychiatric Nursing 6 hrs.

Second Year

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Biol. 224, Microbiology	3	Nsg. 102, Maternal and Child	8
Nsg. 202, Medical-Surgical	8	Nsg. 204, Trends in Nursing	3
Speech 101, Fund. of Speech	3	Pol. Sci. 103, National Gov't.	3
Soc. 210, Introductory Sociology	3	Elective	3
Total Hours	17	Total Hours	17

THE TWO-YEAR TECHNICAL EDUCATION CURRICULUM

Industry needs technicians to perform skillful and demanding processes—to supervise the work of others—to assist engineers and executives The two-year program permits those who desire to prepare themselves, in a short period of time, to accept these responsibilities. The work is designed to enable the student to learn the sciences, mathematics, and skills necessary for the job. And, if he so chooses, he may return and complete the work necessary for the baccalaureate degree without appreciable loss of credit.

The General Education and foundation courses required of all candidates for the two-year associate certificate in technology specializing in the following technical options are: construction, drafting, electrical-electronic, mechanical, mechanical power (Printing technology is a separate listing. See page 68.)

General Education 28 Sem. Hrs.

*Eng.	102, 104, 108	Written English	6
I.E.	106	Mathematics for the Technician I	3
I.E.	107	Mathematics for the Technician II	3
Phy.	101-102	Introduction to Physics	8
Econ.	101	American Business and Industry	3
Psych.	103	General Psychology	3
I.E.	191	Personnel Prob. & Labor Relations	2

* Select 6 semester hours of English.

Foundation Courses 17 Sem. Hrs.

I.E.	101	Electricity I	2
	102	Electricty II	2
	110	Basic Electronics I	2
	111	Basic Electronics II	2
	120	Drafting I	2
	220	Drafting II	2
	180	Materials & Processes of Industry	2
	190	Industrial Orientation	0
Bus.	227	Industrial Organization	3

Sixteen semester hours of credit in any one of the following groups, in addition to the foundation courses, will constitute a major unit of work in the respective area of specialization.

Construction Technology Option 16 Sem. Hrs.

I.E.	122-222	Architectural Drafting I & II	2-2
	160	Hand Woodworking	2
	170	Statics	3
	260	Machine Woodworking	2
	270	Strength of Materials	3
	271	Strength of Materials Laboratory	1
	321	Structural Drafting	2
	322	Architectural Design	2
	366-466	Construction Theory & Lab. I & II	2-2
	372	Surveying	2
	373	Computing & Estimating	2
	375	Plumbing & Sanitation	2
	376	Heating & Air Conditioning	2
	392	Blueprint Reading	2-3
	473	Contracts & Specifications	2
	474	Codes & Practices	2

Drafting Technology Option 16 Sem. Hrs.

I.E.	122-222	Architectural Drafting I & II	2-2
	422	Architectural Drafting III	2
	123	Machine Design	2
	221	Graphic Illustration	2
	223	Jigs & Fixtures	2
	320-420	Drafting Room Techniques	2-3
	321	Structural Drafting	2
	322	Architectural Design	2
	323-423	Electrical Drafting I & II	2-2
	392	Blueprint Reading	2-3
	421	Drafting, Planning, and Scheduling	2

Electrical-Electronic Technology Option 16 Sem. Hrs.

I.E.	201-202	Elec. Measurements Lab. I & II	2-2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	315	Industrial Electronics and Controls	2
	316	Advanced Electronics I	2
	317	Advanced Electronics II	2

	323-423	Electrical Drafting I & II	2-2
	371	Thermodynamics	3
	374	Graphic Solutions II	2
	379	Industrial Economy	3
	475	Dynamics	3

Mechanical Technology Option 16 Sem. Hrs.

I.E.	123	Machine Design	2
	161-261	Gas Welding I & II	2-2
	162-262	Arc Welding I & II	2-2
	167-267	Machine Shop I & II	2-2
	170	Statics	3
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	223	Jigs & Fixtures	2
	245	Hydraulics	2
	270	Strength of Materials	3
	271	Strength of Materials Laboratory	1
	315	Industrial Electronics & Controls	2
	316-317	Advanced Electronics I & II	2-2
	345	Pneumatics	2
	360	Metallurgy	2
	370-470	Manufacturing Processes I & II	2-2
	371	Thermodynamics	3
	392	Blueprint Reading	2-3
	445	Fluid Mechanics	3

Power Technology Option (Mechanical) 16 Sem. Hrs.

I.E.	140	Engine Theory I	2
	141	Engine Laboratory I	2
	142	Power Transfer Theory I	2
	143	Power Transfer Laboratory I	2
	144	Carburetion and Ignition Theory I	2
	145	Carburetion and Ignition Lab. I	2
	146	Hyd. & Suspension Sys. Theory I	2
	147	Hydraulic & Suspension Sys. Lab.	2
	170	Statics	3
	270	Strength of Materials	3
	271	Strength of Materials Laboratory	1
	274	Graphic Solutions I	2
	371	Thermodynamics	3
	445	Fluid Mechanics	3
	475	Dynamics	3

Approved Electives 3 Sem. Hrs.

Total 64 Sem. Hrs.

Cooperative Work Study 12 Sem. Hrs.

I.E.	492	Work Study Seminar	4
	493	Work Study Laboratory	8

Cooperative work study program may be waived for students who are employed full or part time if such employment is approved by the Director of Technical Education.

TYPICAL SCHEDULE FOR THE TWO-YEAR TECHNICAL EDUCATION CURRICULUM

FIRST YEAR

Eng.	102 or 104	Written Eng.	3	Eng.	108	Written Eng.	3
I.E.	106	Math for the Tech. I	3	I.E.	107	Math for the Tech. II	3
I.E.	190	Industrial Orientation	NC	Econ.	101	American Business and Industry	3
I.E.	180	Materials & Processes	2			Approved Electives	8
I.E.	191	Personnel Prob. & Labor Rel.	2				17
I.E.	120	Drafting I	2				
I.E.	220	Drafting II	2				
			14				

First Summer

Physics	101	Intro. to Physics	4	Physics	102	Intro. to Physics	4

SECOND YEAR

I.E.	101	Electricity I	2	I.E.	110	Basic Electronics I	2
I.E.	102	Electricity II	2	I.E.	111	Basic Electonics II	2
Bus.	227	Industrial Organization	3	Psych.	103	General Psychology	3
		Approved Electives	8			Approved Electives	8
			15				15

Second Summer

I.E.	492	Work Study Seminar	4	I.E.	493	Work Study Laboratory	8

REQUIRED COURSES AND SUGGESTED SCHEDULE FOR THE TWO-YEAR ASSOCIATE DEGREE IN PRINTING TECHNOLOGY

FIRST YEAR

Eng.	102-104	Written Eng.	3	Eng.	104-108	Written Eng.	3
Phy. Sc.	201	General Phy. Sci.	3	Phy. Sc.	202	General Phy. Sci.	3
I.E.	180	Materials & Processes	2	I.E.	120	Drafting I	2
I.E.	191	Personnel Problems & Labor Rel.	2	I.E.	220	Drafting II	2
I.E.	130	Printing Processes I	2	I.E.	134	Graphic Layout & Design I	2
I.E.	131	Printing Lab. I	2	I.E.	234	Graphic Layout & Design II	2
Sec. St.	101 or 102	Typing	2	I.E.	136	Printing Composition	2
			16				16

SECOND YEAR

Soc.	210	Intro. to Sociology	3	Psych.	103	General Psychology	3
I.E.	132	Typography I	2	I.E.	333	Printing Techniques I	2
I.E.	232	Typography II	2	I.E.	433	Printing Techniques II	2
I.E.	133	Offset Printing I	2	I.E.	435	Printing Mech. & Press Design	4
I.E.	233	Offset Printing II	2	Journ.	240		3
I.E.	235	Printing Estimating	3	I.E.	335	Printing Plant Mgmt.	3
Bus.	227	Industrial Organization	3				
			17				17
I.E.	492	Work Study Seminar	4	I.E.	493	Work Study Laboratory	8

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN EDUCATION

The education of teachers at Fairmont State College is designed to utilize the cooperative functions of the several subject matter areas and the department of professional education. The philosophy of the College is that adequate preparation for teaching requires rich and comprehensive experience in the area of general education. concentration in a comprehensive or in two of the subject matter fields, and the development of certain attitudes, skills and understanding which characterize effective teaching. The State Board of Education has adopted a program of general and professional education which is required of all students preparing for teaching.

TEACHING FIELDS AND SPECIALIZATIONS

Fairmont State College offers teaching curricula leading to the degree of Bachelor of Arts in Education. Students satisfactorily completing the teaching curriculum in a given area will qualify for a Professional Certificate, grades 7-12, 1-9 or 1-12.

In planning for a career in elementary or secondary teaching, students may qualify for an assignment in the following fields or specializations:

Art
Biological, General-Earth Science
Biological Science
Business Education
Business Education, Secretarial
Chemistry, General-Earth Science
English
French
General-Earth Science
Health and Physical Education
Home Economics
Industrial Arts
Kindergarten-Primary
Language Arts
Mathematics
Music
Physics, General-Earth Science
Social Studies
Speech
School-Librarian

It is the responsibility of candidates for a degree to know and to meet the general requirements of the College and the specific requirements of the chosen curriculum. It is the student's responsibility also to keep informed on his grade-point standing. All of this information may be obtained from the student's advisor or from the Registrar's Office.

ADMISSION TO TEACHER EDUCATION

Any student of sophomore standing may enroll in the first professional course, Education 200, Introduction to Education. Students are not expected, in this course, to make a decision or an application for admission to teacher education. It is required of all teacher education students, and non-education students may take it as an elective.

The form, "Student Information Form, T-Form 63," is to be completed and filed with the Education Department before the completion of Education 200. A student will receive a "I" grade in this course until this form is filed.

In order to be eligible for enrollment in Education 302, Human Growth and Development, a student must be in good academic standing (i.e., he must not be on scholastic probation). Except for transfer students who may be excused, the completion of Education 200 is also a requirement for enrollment in this course.

At mid-semester, and while enrolled in Education 302, those interested in pursuing the Teacher Education program shall make formal application by completing the form, "Application for Admission to the Teacher Education Program." To be accepted, the applicant must have a minimum quality point average of 2.0, overall and in each area of concentration or teaching field. He must have satisfactorily completed the required Written English courses. (See General Education requirements.) He must, at the time of application, be passing Education 302. As a part of this application he must secure a favorable recommendation from the Health Department, the Social Dean, and his class Advisor.

Toward the close of the semester in which the student is enrolled in Education 302, the Selection Committee evaluates the information in his folder and arrives at one of the following decisions: Approved; Approved Conditionally; or Disapproved. The student is to be notified in writing of the Committee's decision, and he shall have the opportunity of appearing before the Committee if he is dissatisfied with its conclusions.

If a student has satisfactorily completed Education 302 and has approval of the Selection Committee, he is eligible to enroll in Education 303, Human Growth and Development. As a part of the requirements for this course, the student must make application for the Professional "Block".

THE BLOCK SYSTEM

Fairmont State College has adopted the block system for scheduling directed teaching. The significant features of this plan are: (1) a semester is reserved for the student in which he or she will schedule a block of professional subjects, including methods and directed teaching; (2) a nine-weeks section of that semester will be used exclusively for directed teaching; (3) during this nine-weeks period. the daily assignment for student teaching will comprise all hours the school is in session; (4) in addition to classroom assignments, student teachers will participate in the extra-curricular activities of the school and community.

One semester of the senior year will be used for scheduling a block of approximately 17 semester hours of professional courses. To schedule the "Block" a student must meet the requirements for directed teaching as described below. Students and advisors should understand that the block system requires exact planning during the early years of the college career as well as in the senior year. All general requirements of the College as well as the minimum requirements of the teaching fields will have to be completed before the "Block" can be scheduled.

Eligibility for the Professional Block is determined by the ability of the student to meet the following requirements:

1. a. Completion of 90 semester hours including 8 hours in education courses, and three-fourths of the required work in each teaching field or area of specialization.

   b. Satisfactory completion of English 108, Advanced Written English, with a grade of "C", and Speech 210.

2. Departmental approval of the candidate's comprehensive field or two teaching fields and completion of professional education courses which are prerequisite to the block courses.

3. Completion of the September Experience of five days in a public school of the student's choice observing the opening and organization of a school.
4. Students must have an average of "C" or better.
   a. On all semester hours to be counted toward graduation.
   b. On all semester hours earned in the department of education.
5. Have a 2.2 quality point average in each teaching field or specialization.
6. Present a statement from the college health department showing that the student has been given a physical examination and found to be physically fit for assignment to directed teaching.

Students will **not** be permitted to schedule courses outside the Block or extracurricular activities which will in any way interfere with the course work.

STUDENT TEACHING

Student teaching is required in all curricula. Students must complete student teaching at the grade levels and in the teaching fields in which they expect to be certified. At the present time, elementary school training is provided in the City of Fairmont. Secondary training is given in connection with Marion, Harrison, Monongalia, and Taylor County junior and senior high schools. All student teaching is under the joint direction of Fairmont State College and the Board of Education of the county in which the teaching is done.

SUMMARY OF DEGREE REQUIREMENTS

Briefly stated, the requirements for the Bachelor of Arts in Education degree are: The candidate must earn a minimum of 128 hours credit in approved subjects with a quality point average of 2.0, or better, for all courses attempted and for all professional courses. He must attain a 2.2 average in each teaching field or specialization and shall meet the general and specific requirements set up for the curriculum and teaching fields he elects.

TEACHING CURRICULA

Grades 7 through 12

Each student who is qualifying for teaching and/or for school services in grades 7 through 12 shall complete the following:

I. General Studies
II. Professional Education
III. Specialization

(a) One comprehensive field of specialization authorizing him to teach in grades 7 through 12 the related subjects which comprise the comprehensive specialization

or

(b) Two single subject specializations for grades 7 through 12

or

(c) One single subject specialization for grades 7 through 12 and one designed for grades 7 through 9, identical with the specialization required for grades 5 through 9.

Grades 1 through 12

Each student who is qualifying for the teaching of Art, Music, or Health and Physical Education in grades 1 through 12 shall complete the following:

I. General Studies

II. Professional Education

To include methods and student teaching of the single subject specialization at both the elementary and secondary levels.

III. Specialization

Music—one comprehensive specialization

Art or Health and Physical Education—The curriculum for teaching field grades 1-12, and one single subject specialization 7-12 or a junior high specialization 5-9.

Grades 1 through 9

Each student who is qualifying for teaching and/or for school services in grades 1 through 9 shall complete the following:

I. General Studies

II. Professional Education

III. Specialization

(a) The Diversified Program for teaching in a self-contained classroom

and

(b) One Subject Specialization for team teaching and departmental teaching in grades 5 through 9.

REQUIRED PROGRAM OF GENERAL STUDIES FOR BACHELOR OF ARTS DEGREE IN EDUCATION

Required Areas for Humanities	AB. Ed.
Written English *102, 104, 108	6-9
Spoken English, Speech 210	3
Literature	
English Literature 251 or 252	3
American Literature 261 or 262	3
Art Appreciation 255	2
Music Appreciation 205	2
Science & Mathematics	
Biological or Physical Science 101, 102 or 201, 202	6
Mathematics 110 or higher	3
Social Sciences	
History 111, 112	6
Sociology 210	3
Economics 201	3
Political Science 103	3
Physical Education 102W, 103W or 114M, 115M	2

*Required only of students with deficiency in English.

REQUIRED PROGRAM OF PROFESSIONAL EDUCATION FOR BACHELOR OF ARTS DEGREE IN EDUCATION

Ed. 200	Introduction to Education	2
Ed. 302	Human Growth and Development	3
Ed. 303	Human Growth and Development	3

The allocation of course work in the Professional Block is as follows:

Curriculum for Grades 7-12

Ed. 400	Foundations of Education	2
Ed. 430	Methods of Teaching Reading in the Secondary Schools	2
Ed. 440	Principles of Teaching in the Secondary Schools	2
Ed. 442	General Methods of Teaching in the Secondary Schools	2
Ed. 450	Observation and Directed Teaching	7
431	Special Methods - Area of Specialization	2

Curriculum for Grades 1-12

Ed. 405	Materials and General Elementary Methods	2
Ed. 410	Methods in Elementary Language Arts	2
Ed. 440	Principles of Teaching in the Secondary Schools	2
Ed. 442	General Methods of Teaching in the Secondary Schools	2
Ed. 425	Observation and Directed Teaching	7
431	Special Methods - Area of Specialization	2

Curriculum for Grades 1-9

Ed. 400	Foundations of Education	2
Ed. 405	Materials and General Elementary Methods	2
Ed. 410	Methods in Elementary Language Arts	2
Ed. 415	Methods in Elementary Social Studies	2
Ed. 420	Observation and Directed Teaching	7
Sci. 412	Science for the Elementary School	2

ELEMENTARY EDUCATION, GRADES 1-9

A. Required Diversified Program for self-contained classroom

Eng.	207	Children's Literature	3
Hist.	207	American History	3
Hist.	208	American History	3
Hist.	302	West Virginia History	3
Geog.	210	World Regional Geography	3
Biol.	101-102	General Biology	6
P. Sci.	201-202	General Physical Science	6
Math	210	Math for Teachers	3
Mus.	231-232	Music Education	6
Art	353-354	Art Education	4
Health	310	School Health Problems	3
P. Ed.	328	Games and Rhythms for the Ele. School	2

B. Subject Specializations, Grades 5-9

Art	28 Sem. Hrs.
General-Earth Science	31

Health, Physical Education, Recreation, and Safety	28
Home Economics	25-26
Industrial Arts	24
Language Arts	24
Mathematics	13
Music	26
School Librarian	18
Social Studies	27
Speech	18

C. Kindergarten - Primary

Students who are qualifying for a Professional Certificate, Grades 1-9, may wish to add the Kindergarten - Primary endorsement to their certificate.

Curriculum For Kindergarten—Primary, K-3.

Required Courses 20 Sem. Hrs.

Art	352	Kindergarten—Primary Art	2
Education	310	Kindergarten—Primary Organization and Curriculum	3
Education	410	Methods in Elementary Language Arts	2
Music	230	Kindergarten—Primary Music	2
Speech	331	Children's Drama	2
Speech	331L	Children's Drama Laboratory	1
Speech	430	Speech Correction	3
I.E.	386	Industrial Arts for the Ele. Teacher	2
Home Ec.	330	Child Care and Development	3

CURRICULA FOR TEACHING FIELDS AND SPECIALIZATIONS

The various curricula for teaching fields and specializations are listed under appropriate departments.

DEPARTMENT OF COMMERCE

BUSINESS EDUCATION (Comprehensive) 43 Sem. Hrs.

Business	141	Business Mathematics	3
Business	201-202	Principles of Accounting	6
Business	304	Marketing	3
Business	306	Business Law	3
Economics	201-202	Economic Principles and Problems	6
Economics	303	Money, Credit and Banking	3
Sec. Stud.	102-211	Intermediate & Advanced Typewriting	4
Sec. Stud.	311	Business Machines	2
Sec. Stud.	301-302	Advanced Shorthand and Transcription	8
Sec. Stud.	351	Sec. Office Practice	2
Sec. Stud.	351L	Sec. Office Practice Lab.	1
Business	431	Materials & Methods in Bus. Education	2

BUSINESS EDUCATION (Secretarial) (A second teaching field is required with this program.)

28 Sem. Hrs.

Business	141	Business Mathematics	3
Business	201-202	Principles of Accounting	6

Sec. Stud.	301-302	Advanced Shorthand & Transcription	8
Sec. Stud.	102-211	Intermediate & Advanced Typing	4
Sec. Stud.	311	Business Machines	2
Sec. Stud.	351	Sec. Office Practice	2
Sec. Stud.	351L	Sec. Office Practice Lab.	1
Business	431	Materials & Methods in Bus. Education	2

DEPARTMENT OF FINE ARTS

ART

Curriculum for Teaching Field. Grades 1-12

Required Courses 48 Sem. Hrs.

Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2
Art 242	Drawing and Painting from Life	3
Art 255	History and Appreciation of Art	2
Art 261	Painting in Oil	3
Art 278	Ancient and Medieval Art	3
Art 283	Modeling and Sculpture	2
Art 353	Elementary Art Education I	2
Art 354	Elementary Art Education II	2
Art 363	Painting in Watercolor	3
Art 377	Italian and Northern Renaissance Art	3
Art 378	19th Century and Contemporary Art	3
Art 383	Ceramics	3
Art 431	Methods of Teaching Art	2
Electives		7

Curriculum for Teaching Field. Grades 7-12.

Required Courses 37 Sem. Hrs.

Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2
Art 255	History and Appreciation of Art	2
Art 261	Painting in Oil	3
Art 278	Ancient and Medieval Art	3
Art 283	Modeling and Sculpture	2
Art 353	Elementary Art Education I	2
Art 354	Elementary Art Education II	2
Art 363	Painting in Watercolor	3
Art 377	Italian and Northern Renaissance Art	3
Art 378	19th Century and Contemporary Art	3
Art 383	Ceramics	2
Art 431	Methods in Teaching Art	2

Curriculum for Subject Specialization. Grades 5-9.

Required Courses 28 Sem. Hrs.

Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2

Art 255	History and Appreciation of Art	2
Art 283	Modeling and Sculpturing	2
Art 353	Elementary Art Education I	2
Art 354	Elementary Art Education II	2
Art 363	Painting in Watercolor	3
Electives		7

MUSIC

Curriculum for Comprehensive Teaching Field (Vocal)

Required Courses				56 Sem. Hrs.
Music Theory				18
*109E	Beginning Theory (Does not apply to theory requirement and may be eliminated by examination)		(2)	
109, 110	First Year Theory		8	
209, 210	Second Year Theory		8	
309	Orchestration		2	
Music History and Appreciation:				6
313, 314	Music History		6	
Conducting:				2
245	Fundamentals of Conducting Note: An additional 2 hours of advanced conducting is included in Music 429, Instrumental Methods and Music 430, Choral Methods which includes advanced Instrumental and Choral Conducting.		2	
Applied Music:				18
Applied Major 141, I-VII, Voice			7	
Instrument Classes:			5	
211	String Class I	1		
213	Brass Class I	1		
215	Woodwind Class I	1		
217	Percussion Class I	1		
Elective, Instrumental Class II or Music 139, Voice Class on advice of instructor.		1		
**170	Lab. Band-Orchestra	N.C.		
***Piano:			5	
105	Piano Class I, II	2		
107	Piano I, II, III	3		
****320	Keyboard Accompaniment			
Senior Recital: (See General Requirements)			1	
440	Senior Recital	1		
Participation:				4
*****Choir, Band, or small ensembles				

Music Education:				8
429	Instrumental Methods (Includes Advanced Conducting)		3	
430	Choral Methods (Includes Advanced Conducting)		3	
431	General Music Methods, 1-9		2	

Curriculum for Comprehensive Teaching Field (Instrumental)

Required Courses				56 Sem. Hrs.
Music Theory:				18
*109E	Beginning Theory (Does not apply to theory requirement and may be eliminated by examination)		(2)	
109, 110	First Year Theory		8	
209, 210	Second Year Theory		8	
309	Orchestration		2	
Music History and Appreciation:				6
313, 314	Music History		6	
Conducting:				2
245	Fundamentals of Conducting		2	
	Note: An additional 2 hours of advanced conducting is included in Music 429, Instrumental Methods and Music 430, Choral Methods which includes advanced Instrumental and Choral Conducting.			
Applied Music:				18
	Applied Major 177-203, I-VII, Instrumental		7	
	Instrument Classes:		5	
211	Beginning String Class I	1		
213	Beginning Brass Class I	1		
215	Beginning Woodwind Class I	1		
217	Beginning Percussion Class I	1		
	Elective, Instrumental Class II on advice of instructor	1		
*170	Lab. Band-Orchestra	N.C.		
***Piano:			4	
105	Class Piano I, II	2		
107	Piano, I, II	2		
Voice:			1	
139	Voice Class	1		
Senior Recital: (See General Requirements)			1	
440	Senior Recital	1		
Participation:				4
	*****Band, Choir, and small ensembles		4	
Music Education:				8
429	Instrumental Methods (Includes Advanced Conducting)		3	
430	Choral Methods (Includes Advanced Conducting)		3	
431	General Music Methods 1-9		2	

Curriculum for Comprehensive Teaching Field (Piano or Organ)

Required Courses 56 Sem. Hrs.

Music Theory			18
*109E Beginning Theory (Does not apply to theory requirement and may be eliminated by examination)		(2)	
109, 110 First Year Theory		8	
209, 210 Second Year Theory		8	
309 Orchestration		2	
Music History and Appreciation:		6	
313, 314 Music History		6	
Conducting:			2
245 Fundamentals of Conducting		2	
Note: An additional 2 hours of advanced conducting is included in Music 429, Instrumental Methods and Music 430, Choral Methods which included advanced Instrumental and Choral Conducting.			
Applied Music:			18
Applied Major ****107, I-VII, Piano or 103, I-VII, Organ		7	
Instrumental or Vocal Applied Minor		4	
Instrumental Classes:		5	
211 String Class I	1		
213 Brass Class I	1		
215 Woodwind Class I	1		
217 Percussion Class I	1		
Elective, (1) Instrumental Class II on advice of Instructor; (2) Music 103, Organ; or (3) Music 320, Techniques of Keyboard Accompanying	1		
170 Lab. Band-Orchestra	N.C.		
Voice:		1	
139 Voice Class	1		
Senior Recital: (See General Requirements)		1	
440 Senior Recital	1		
Participation:			4
*****Band, Chorus, or small ensembles		4	
Music Education			8
429 Instrumental Methods (Includes Advanced Conducting)		3	
430 Choral Methods (Includes Advanced Conducting)		3	
431 General Music Methods 1-9		2	

Curriculum for Subject Specialization in Grades 5-9

Required Courses 26 Sem. Hrs.

General Education Requirements		8
205 Music Appreciation	2	
231 Elementary Music Methods I	3	
232 Elementary Music Methods II	3	

Theory:			6
*109E	Beginning Theory	2	
109	Theory (First Semester)	4	
Applied Music:			6
139	Voice Class or		
141	Voice	2	
105	I, II Piano Class	2	
***107	I, II Piano	2	
Participation:			4
*****Band or Chorus, and small ensembles.			
Conducting:			2
245	Fundamentals of Conducting	2	

Applied Music Levels: Upon entering this institution, all music majors will be assigned an applied level of performance by the faculty jury in either vocal or instrumental. Each student will be required to complete at least one applied level each year for a total of 4 levels for graduation. It is desirable that music majors complete level 7 in their major applied area. See Fairmont State College Bulletin Supplement, "Applied Music Requirements."

*Music 109E, Beginning Theory: This course required of all music majors and elementary specialists, but may be eliminated upon examination.

**Laboratory Band-Orchestra is held once each week for non-credit (NC). All persons taking Music 211, 212, 213, 215, and 217 are required to participate.

***Piano is required of all music students. At the completion of the required number of hours (4), each student must pass the piano proficiency examination. If failed, the student must continue to take piano until the piano proficiency examination is passed. This requirement is necessary for a degree in music. A student who so desires, may take the piano examination after completing one or more hours of piano. If successful, he is excused from the remaining hours which must be added to music electives in an applied area.

****Music 320, Keyboard Accompanying, may be substituted for applied piano.

*****All students majoring or minoring in music must participate in at least one campus major musical performing group during each semester of college attendance. After completion of the required number of participation credits, students will register in the performing groups on a credit or audit basis.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION RECREATION, AND SAFETY

Curriculum

Required Courses

		Grades 7-12 40 Sem. Hrs.		Grades 1-12 51 Sem. Hrs.	
102W, 103W or 114M, 115M	Freshman Orientation (Gen. Ed.)	2	(2)	2	(2)
SCIENCE			(6)		(9)
304	Anatomy and Physiology	3		3	
305	Kinesiology	3		3	
407	Physiology of Exercise			3	
FOUNDATIONS			(10)		(10)
250	Foundations of Physical Education	3		3	
362	Organization and Administration of Health, Physical Education and Recreation	3		3	
408	Adapted Physical Education	2		2	
431	Special Methods in the Teaching of Physical Education	2		2	
HEALTH EDUCATION AND SAFETY EDUCATION			(8)		(14)
100	Personal Health	3		3	
101	First Aid	2		2	
202	Community Health			3	
203	Safety			3	
310	School Health Problems	3		3	
PHYSICAL EDUCATION ACTIVITIES			(14)		(16)
(Men)					
118M or	Fundamental Skills and Exercise	3		3	
119M	Gymnastics	3		3	
328	Games and Rhythms for the Elementary School			2	
360	Evaluating and Assisting	3		3	
(Women)					
326W or	Coaching and Officiating Volleyball, Hockey and Soccer	3		3	
327W	Coaching and Officiating Basketball, Track, Softball, and Lacrosse	3		3	
328	Games and Rhythms for the Elementary School			2	
360	Evaluating and Assisting	3		3	
Electives to include individual, dual, and team sports, aquatics, and rhythmic activities with consent of advisor.		8		8	

Curriculum for Subject Specialization in Grades 5-9

Required Courses 28 Sem. Hrs.

102W, 103W or 114M, 115M	Freshman Orientation (Gen. Ed.)	2	(2)

FOUNDATIONS (6)

250	Foundations of Physical Education	3
362	Organization and Administration of Health, Physical Education and Recreation	3

HEALTH EDUCATION AND SAFETY EDUCATION (8)

101	First Aid	2
203	Safety	3
310	School Health Problems	3

PHYSICAL EDUCATION ACTIVITIES (12)

(Men)

118M or	Fundamental Skills and Exercise	3
119M	Gymnastics	3
328	Games and Rhythms for the Elementary School	2

Electives to include individual, dual and team sports, aquatics and rhythmic activities with consent of advisor. 7

(Women)

135W	Fundamental Skills	1
328	Games and Rhythms for the Elementary School	2

Electives to include individual, dual and team sports, aquatics, and rhythmic activities with consent of advisor. 9

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

SOCIAL STUDIES (Comprehensive) 59 Sem. Hrs.

*History 111	History of Civilization	3
*History 112	History of Civilization	3
*History 207	United States History	3
*History 208	United States History	3
*History 302	West Virginia History	3
	American History elective Hist. 312, 315, 317, 320, 370, or 410	3
	European History elective Hist. 330, 331, 340, or 341	3
	Advanced History elective Any History course not used to meet one of the above requirements	3
*Sociology 210	Introductory Sociology	3
	Advanced Sociology	3

*Pol. Sci.	103	American National Government	3
		Advanced Political Science	3
*Geography	210	World Regional Geography	3
		Advanced Geography	3
*Economics	201	Economic Principles and Problems	3
Economics	202	Economic Principles and Problems	3
History	431	Special Methods (in Social Studies)	2
		History and Social Science electives	9

An additional nine hours to be chosen from any one or several of the areas involved: economics, geography, history, sociology, or political science.

This requirement may be waived if the student

(1) takes twelve hours of a foreign language, or

(2) completes a second teaching field, grades 7-12.

*Subject Specialization—Required of students qualifying for Professional Certificate with specialization in Social Studies, grades 5 through 9.

DEPARTMENT OF INDUSTRIAL-TECHNICAL EDUCATION

INDUSTRIAL ARTS (Comprehensive—Second Teaching Field not Required)

56 Sem. Hrs.

FOUNDATION COURSES (Required) 32 Sem. Hrs.

I. E.	101-102	Basic Electricity I & II	2-2
	120	Drafting I	2
	160	Hand Woodworking	2
	165	Cold Metal Processing	2
	180	Materials and Processes of Industry	2
	181	General Shop I	2
	220	Drafting II	2
	260	Machine Woodworking	2
	265	Hot Metal Processing	2
	281	General Shop II	2
	380	Philosophy of Industrial Arts	2
	381	Organization & Administration of Industrial Arts	2
	385	School Shop Maintenance I	2
	481	General Shop III	2
	431	Methods & Materials of Teaching Industrial Arts	2

AREAS OF SPECIALIZATION 24 Sem. Hrs.

Select twelve hours each from two of the following areas of specialization. Electrical-Electronic, General Fabrication, Graphics (Drafting), Graphics (Printing), Manufacturing (Metals), Manufacturing (Woods), Power Mechanics.

ELECTRICAL-ELECTRONICS

I. E.	110	Basic Electronics I	2
	111	Basic Electronics II	2
	201	Electrical Measurements Lab. I	2
	202	Electrical Measurements Lab. II	2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2

	315	Industrial Electronics & Controls	2
	316	Advanced Electronics I	2
	317	Advanced Electronics II	2

GENERAL FABRICATION

I. E.	186	Recreational Crafts	2
	284	Plastics I	2
	285	Industrial Design	2
	286	Crafts	2
	289	Ceramics	2
	384	Plastics II	2
	386	Industrial Arts for the Ele. Teacher	2
	392	Blueprint Reading	2

GRAPHICS (Drafting)

I. E.	122	Architectural Drafting I	2
	222	Architectural Drafting II	2
	123	Machine Design	2
	223	Jigs & Fixtures	2
	320	Drafting Room Techniques I	2
	420	Drafting Room Techniques II	2
	221	Graphic Illustration	2
	321	Structural Drafting	2

GRAPHICS (Printing)

I. E.	130	Printing Processes	2
	131	Printing Laboratory I	2
	132	Typography I	2
	232	Typography II	2
	133	Offset Printing I	2
	233	Offset Printing II	2
	134	Graphic Layout & Design I	2
	234	Graphic Layout & Design II	2

MANUFACTURING (Metals)

I. E.	161	Gas Welding I	2
	162	Arc Welding I	2
	163	Sheet Metal I	2
	263	Sheet Metal II	2
	167	Machine Shop I	2
	267	Machine Shop II	2
	360	Metallurgy	2
	485	School Shop Maintenance II	2
	370	Manufacturing Processes I	2
	470	Manufacturing Processes II	2

MANUFACTURING (Woods)

I. E.	166	Building Construction (Residential) I	2
	266	Building Construction (Industrial) II	2
	391	Woodworking III	2
	491	Wood Finishing	2
	382	Furniture Construction and Design	2
	482	Cabinet Making	2

POWER MECHANICS

I. E.	140	Engine Theory I	2
	141	Engine Laboratory I	2
	142	Power Transfer Theory I	2

143	Power Transfer Laboratory I	2
144	Carburetion & Ignition Theory I	2
145	Carburetion & Ignition Laboratory I	2
146	Hydraulic and Suspension Systems Theory I	2
147	Hydraulic and Suspension Systems Laboratory I	2

SUBJECT SPECIALIZATION FOR GRADES 5-9 24 Sem. Hrs.

I. E.	101	Basic Electricity I	2
	120	Drafting I	2
	160	Hand Woodworking	2
	165	Cold Metal Processing	2
	180	Materials and Processes of Industry	2
	181	General Shop I	2
	281	General Shop II	2
	286	Crafts	2
	380	Philosophy of Industrial Arts	2
	381	Organization & Administration of Industrial Arts	2
	386	Industrial Arts for the Elementary Teacher	2
	481	General Shop III	2

The specialization for grades 5-9 will qualify for a second teaching field.

GENERAL SHOP CERTIFICATION 32 Sem. Hrs.

I. E.	101	Electricity I	2
	102	Electricity II	2
	120	Drafting I	2
	160	Hand Woodworking	2
	165	Cold Metal Processing	2
	180	Materials and Processes of Industry	2
	181	General Shop I	2
	220	Drafting II	2
	260	Machine Woodworking	2
	265	Hot Metal Processing	2
	281	General Shop II	2
	380	Philosophy of Industrial Arts	2
	381	Organization & Administration of Industrial Arts	2
	385	School Shop Maintenance I	2
	481	General Shop III	2

Students pursuing a General Shop Certification as a first field will be required to qualify in a second teaching field.

The General Shop Certification will qualify for a second teaching field for those having a first teaching field in another discipline.

Students who choose the General Shop Certification may qualify to teach unit shops by completing six additional semester hours in the respective areas of specialization by permission only.

DEPARTMENT OF LANGUAGES AND LITERATURE

LANGUAGE ARTS

Curriculum for Comprehensive Field 7-12.

Required Courses 57 Sem. Hrs.

English 104	Written English	3
English 108	Advanced Written English	3

English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3
English 262	Survey of American Literature	3
English 321	Study of the English Language	3
English 431	Methods in Teaching English	2
Speech 105	Voice and Diction	3
Speech 151	Play Production	2
Speech 210	Advanced Spoken English	3
Speech 221	Oral Interpretation	2
Speech 243	Debate	2
Speech 245	Oratory	1
Speech 401	Extemporaneous Speaking	1
Speech 336	Play Directing	2
Speech 430	Speech Correction	3
Journalism 240	Reporting	3
Journalism 312	Publication Problems	3

Electives

300-400 level language and composition courses	3
300-400 level literature courses	6

ENGLISH—Curriculum for Single Teaching Field 7-12

Required Courses 38 Sem. Hrs.

English 104	Written English	3
English 108	Advanced Written English	3
English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3
English 262	Survey of American Literature	3
English 321	Study of English Language	3
English 431	Methods in Teaching English	2

Electives

300-400 level language and composition courses	6
300-400 level literature courses	9

LANGUAGE ARTS—Curriculum for Subject Specialization 5-9.

Required Courses 24 Sem. Hrs.

English 104	Written English	3
English 108	Advanced Written English	3
English 251	Survey of English Literature	3
English 252	Survey of English Literature	3
English 261	Survey of American Literature	3
English 262	Survey of American Literature	3
English 321	Study of the English Language	3

Electives

300-400 level English courses	3

FRENCH (Teaching field, grades 7-12) 32 Sem. Hrs.

French 101	Elementary French	3
French 102	Elementary French	3
*French 201	Second Year French	3
*French 202	Second Year French	3
French 308	Conversation or	3

French 309	Advanced Grammar and Composition	
French 400	Seminar	3
French 431	Methods in Teaching French	2

Electives from the following courses 12

French 210	Masterpieces of French Literature	3
French 301	Literature of the 17th Century	3
French 302	Literature of the 18th Century	3
French 309	Advanced Grammar and Composition	3
French 421	Literature of the 19th Century	3
French 422	Literature of the 19th Century	3
French 431	French Civilization and Culture	3
French 321	Contemporary Literature	3
*French 210	May be substituted for French 201 or 202	

FRENCH—Curriculum for Subject Specialization 5-9.

Required Courses 24 Sem. Hrs.

French 101	Elementary French	3
French 102	Elementary French	3
French 201	Second Year French	3
French 202	Second Year French	3
French 308	Conversation or	3
French 309	Advanced Grammar and Composition	
French 400	Seminar	3
Electives		6

DEPARTMENT OF MATHEMATICS

MATHEMATICS* (Comprehensive)*** 32 Sem. Hrs.

Mathematics 116	Calculus I	4
Mathematics 215	Calculus II	4
Mathematics 216	Calculus III	4
Mathematics 361	Abstract Algebra	3
Mathematics 372	Modern Geometry	3
Mathematics 431	Special Methods	2

Electives from the following courses must include at least six semester hours of the following: 200, 335, 342, 391 12

Mathematics 200	Mathematical Logic	3
Mathematics 201	Mathematical Logic	3
Mathematics 362	Linear Algebra	3
Mathematics 335	Probability and Statistics	3
Mathematics 336	Probability and Statistics	3
Mathematics 342	Numerical Analysis	3
Mathematics 391	Introduction to Analysis	3
Mathematics 393	Intro. to Found. of Mathematics	3
Mathematics 401	Differential Equations	3
Mathematics 411	Advanced Calculus	3

MATHEMATICS** (Teaching Field, grades 7-12) 18 Sem. Hrs.

Mathematics 116	Calculus I	4
Mathematics 215	Calculus II	4
Mathematics 216	Calculus III	4
Mathematics 361	Abstract Algebra	3

Electives from the following courses

Mathematics 200	Mathematical Logic	3

Mathematics 362	Linear Algebra	3
Mathematics 335	Probability and Statistics	3
Mathematics 342	Numerical Analysis	3
Mathematics 372	Modern Geometry	3
Mathematics 391	Introduction to Anaylsis	3
Mathematics 393	Intro. to Found. of Mathematics	3
Mathematics 401	Differential Equations	3
Mathematics 411	Advanced Calculus	3

MATHEMATICS—Curriculum for Subject Specialization 5-9.

Required Courses 13 Sem. Hrs.

Mathematics 115	Intermediate Mathematics II	4
Mathematics 210	Mathematics for Elementary Teachers	3
Mathematics 361	Abstract Algebra	3
Mathematics 372	Modern Geometry	3

*It is expected that students will present a minimum of four units of secondary school mathematics including two units of algebra, one unit of integrated geometry (or equivalent), and a fourth unit requiring algebra and geometry as prerequisites. Students who present less than this expected preparation may be required to complete appropriate courses from among Math 109, 111, 112, 115, in addition to the above requirements.

**Students selecting the 18 semester hour program in Mathematics shall complete another specialization for grades seven through twelve.

***Students should consult with their advisor concerning credit for prerequisites and Special Examination For Course Credit.

DEPARTMENT OF SCIENCE

BIOLOGICAL, GENERAL-EARTH SCIENCE (Comprehensive) 54 Sem. Hrs.

Required in Biological Science 24 Sem. Hrs.

Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3

From Group A-Minimum 6

Biology 201	General Botany	4
Biology 330	Field Botany	3
Biology 340	Plant Kingdom I	3
Biology 341	Plant Kingdom II	3
Biology 342	Mycology	3
Biology 343	Plant Pathology	3

From Group B-Minimum 6

Biology 220	Invertebrate Zoology	4
Biology 221	Vertebrate Zoology	4
Biology 315	Field Zoology	3
Biology 322	Ornithology	2
Biology 350	Comparative Vertebrate Anatomy	4
Biology 410	Histological Technique	1-4
Biology 411	Histology	2
Biology 420	Vertebrate Embryology	4
Biology 450	Human Physiology	4

Electives: May be elected from groups A and/or B or or from group C listed below.

From Group C-no minimum requirement 6

Biology 224	Microbiology	3
Biology 242	Bio-ecology	3
Biology 380	Genetics	3
Biology 390	Biology of the Endocrines	3
Biology 415	Problems in Biology	1-4
Biology 460	Biological Colloquim	1
Biology 480	Principles of Evolution	2

Required related courses 30 Sem. Hrs.

Chemistry 101	General Chemistry	4
Chemistry 102	General Chemistry	4
Physics 101	Introduction to Physics	4
Physics 102	Introduction to Physics	4
Geology 201	Physical Geology	3
Physics 202	Astronomy	3
Mathematics 110 or higher		6
Science 431	Methods and Materials	2

BIOLOGICAL SCIENCE—Curriculum for Single Teaching Field 7-12

Same as Required in Biological Science above except that required related courses are not included.

GENERAL-EARTH SCIENCE (Subject Specialization, grades 5-9) 31 Sem. Hrs.

Biology 101, 102	Introduction to Biology	6
Chemistry 101, 102	General Chemistry	8
Physics 101, 102	Introduction to Physics	8
Geology 201	Physical Geology	3
Physics 201	Demonstrations in Physics	3
Physics 202	Astronomy	3

CHEMISTRY, General-Earth Science

(Teaching Field, grades 7-12) 46 Sem. Hrs.

Chemistry 101	General Chemistry	4
Chemistry 102	General Chemistry	4
Chemistry 201	Qualitative Analysis	4
Chemistry 202	Qualitative Analysis	4
Chemistry 301	Organic Chemistry	4
Chemistry 302	Organic Chemistry	4
Physics 101	Introduction to Physics	4
Physics 102	Introduction to Physics	4
Physics 202	Astronomy	3
Geology 201	Physical Geology	3
Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3
Science 431	Methods and Materials	2

PHYSICS, General-Earth Science 46 Sem. Hrs.

Chemistry 102	General Chemistry	4
Chemistry 102	General Chemistry	4
Physics 101	Introduction to Physics	4
Physics 102	Introduction to Physics	4
Physics 201	Demonstrations in Physics	3
Physics 310	Electricity and Electronics	4

Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3
Geology 201	Physical Geology	3
Physics 202	Astronomy	3
Electives	Minimum of 5 hours in Physics Chemistry 0-4 hrs. Physics 5-9 hrs.	9
Science 431	Methods and Materials	2

HOME ECONOMICS (Comprehensive) 42 Sem. Hrs.

Clothing-Textiles

Home Economics 101	Principles of Clothing Construction	2
Home Economics 102	Advanced Clothing Construction	3
Home Economics 103	Principles of Clothing Selection	2
Home Economics 210	Textiles	3

Family Relations-(Child Development)

Home Economics 310	Family Life	3
Home Economics 330	Child Care and Development	3

Foods-Nutrition

Home Economics 201	Prin. of Food Selection & Preparation	3
Home Economics 202	Advanced Foods	3
Home Economics 303	Nutrition	3

Home Management, Household Equipment, Family Economics

Home Economics 312	Consumer Education	3
Home Economics 315	Home Management	3
Home Economics 316	Household Equipment	2

Housing, Home Furnishing

Home Economics 320	Home Planning and Furnishing	4
Home Economics 351	Home Arts	3
Home Economics 431	Home Economics Techniques	2

General Chemistry 101 and 102 strongly recommended.

HOME ECONOMICS (Subject specialization, grades 5-9) 25 - 26 Sem. Hrs.

Home Economics 101	Principles of Clothing Construction	2
Home Economics 103	Principles of Clothing Selection	2
Home Economics 201	Prin. of Food Selection & Preparation	3
	or	
Home Economics 202	Advanced Foods	3
Home Economics 303	Nutrition	3
Home Economics 310	Family Life	3
Home Economics 315	Home Management	3
	or	
Home Economics 312	Consumer Education	3
Home Economics 316	Household Equipment	2-3
	or	
Home Economics 210	Textiles	3
Home Economics 320	Home Planning and Furnishing	4
Home Economics 330	Child Care and Development	3

General Chemistry strongly recommended.

DEPARTMENT OF SPEECH AND DRAMATICS

Curriculum for Single Field, Grades 7 - 12 30 Sem. Hrs.

Speech Science		
Speech 105	Voice and Diction	3
Public Address		
Speech 210	Advanced Spoken English	3
Speech 237	Effective Speaking	2
Speech 243	Argumentation and Debate	2
Speech 245	Oratory	1
Oral Interpretation		
Speech 221	Oral Interpretation	2
Speech Correction and Audiology		
Speech 430	Speech Correction	3
Dramatics		
Speech 151	Play Production	2
Speech 251	Acting	2
Speech 336	Play Directing	2
Speech 336L	Play Directing Lab.	1
Radio and Television		
Speech 330	Fundamentals of Radio and TV	2

Electives from classes listed below 5

Speech 222	Advanced Oral Interpretation	2
Speech 244	Intercollegiate Debating	1-4
Speech 401	Extemporaneous Speaking	1
Speech 334	Radio Production	2
Speech 334L	Radio Production Lab.	1
Speech 101	Fundamentals of Speech	3
Speech 120	Theatre Appreciation	2
Speech 152-452	Theatre Workshop	1-2
Speech 252	Acting Workshop	1-4
Speech 301-301L	Make-up	1-2
Speech 321	Summer Theatre: Rehearsal and Performance	1-3
Speech 322	Summer Theatre: Production and Management	1-3
Speech 331	Children's Drama	2
Speech 331L	Children's Drama Lab.	1
Speech 431	Methods and Materials	2
Speech 440	Speech and Drama Seminar	1

Curriculum for Subject Specialization 5-9.

Required Courses 18 Sem. Hrs.

Speech 105	Voice and Diction	3
Speech 210	Advanced Spoken English	3
Speech 237	Effective Speaking	3
Speech 331	Children's Drama	2
Speech 331L	Children's Drama Lab.	1
Speech 336	Play Directing	2
Speech 336L	Play Directing Lab.	1
Speech 430	Speech Correction	3

LIBRARY SERVICE

School Librarian

Curriculum for Grades 7-12 — 21 Sem. Hrs.

Lib. Sci.	*200	Reference and Bibliography	~~2~~ 3
	*210	Library Materials	3
	*302	Catalogue and Classification	3
	*304	Organization and Administration	3
	*400	Library Practice	3
	~~*308~~	~~Library Practice~~	~~3~~
English	207	Children's Literature	3
Education	*424	Audio Visual Aids	3

A student selecting School Librarian as a secondary specialization shall complete another specialization for grades 7-12.

*Curriculum for Subject Specialization,
Grades 5-9 — 18 Sem. Hrs.

The same curriculum is required for the Subject Specialization in grades 5 through 9. However, English 207, Children's Literature, will have been required as a part of the Diversified Program.

COURSES OF INSTRUCTION

DEPARTMENT OF COMMERCE

BUSINESS ADMINISTRATION

102. **Introduction to Business** Three hours

A survey of the various fields of business designed to acquaint the student with the basic principles, practices, and employment opportunities of each field. The student is provided, early in his college training, with the information of, and preparation for, the advanced courses in business to aid in choosing his major studies.

141. **Business Mathematics** Three hours

This course is designed to provide knowledge and skill in the computation of the practical problems of a business. The course content should form a sound basis for further study in the following areas: accounting, business finance, marketing, and related business subjects. Special emphasis will be directed to review of the basic arithmetic skills. Does not satisfy mathematics in General Requirements.

201. **Principles of Accounting** Three hours

Fundamental bookkeeping procedures. Organization of accounts, journalizing and posting, expense and revenue, adjustments and closing procedures, and the preparation of financial and operating statements for individual proprietorships.

202. **Principles of Accounting** Three hours

The first and second semesters of this course are designed to give students an adequate grounding in the recording, classifying and summarizing phases of accounting in order to proceed with the interpretation of accounting data. This course is a basic course for (1) accounting majors, (2) majors in other areas of business administration, and (3) those whose major interest is in economics, political science, law, or other professional areas.

205. **Salesmanship** Three hours

A study of techniques appropriate to personal selling, both retail and contact. Students are given opportunities to construct and give sales presentations.

227. **Industrial Organization for Technical Education** Three hours

This course is a survey of the production division in modern industry. A study is made of principles and techniques of organization plans; production planning, routing, scheduling, dispatching and control; physical layouts for production; production standards, purchasing and inventory control; and staffing problems in production. Emphasis is placed on application of these principles in operating management.

301. Advanced Accounting Three hours

Interpretation and use of accounting data. Accounting theories applicable to the evaluation of assets and determination of liabilities and net worth. Contemporary accounting problems receive full attention including current tax practice and procedures. PR: Bus. 201, 202.

302. Advanced Accounting Three hours

Continuation of 301. Accounting for partnerships, installment sales, consignment sales, branch accounting, consolidated statements, and estates and trusts. PR: Bus. 301.

304. Marketing Three hours

A study of those business activities that direct the flow of goods and services from producers to consumers. PR. Econ 201, 202, or consent of instructor.

306. Business Law Three hours

A study of the nature and function of our legal system, courts and procedure including the fundamentals of the law of contracts, agency and partnership.

307. Business Law Three hours

Continuation of 306. Fundamentals of the law of corporations, sales, negotiable instruments and the legal basis of property as applied to business situations. Business 307 will not satisfy 3 hours requirement in the teaching field of Commerce Business Principles.

308. Personnel Management Three hours

A study of the field of personnel management and industrial relations including its background, development, and modern practices.

309. Industrial Organization and Management Three hours

The emphasis in this course is on the modern approach to the field of management. Attention is directed to analysis and extensive use of the case study method where the instructional material is related to business enterprise in operation.

310. Statistics Three hours

The course includes computation of statistical measurements, methods of collecting and analyzing data, and the interpreting of results.

314. Office Management Two hours

The study of office management principles, analysis of office procedures, filing, transcribing, correspondence, reports, business machines and forms. The application of personnel management techniques to office management, office organization and office layouts.

320. Principles of Advertising Three hours

A survey course of the social, psychological, and some technical aspects of advertising. For Business and Journalism students.

327. **Accounting for Technical Education** Three hours

This course is designed to provide the student with ((1) knowledge of tools and techniques for record keeping, reporting and interpretation of finances in industrial operation and (2) an understanding of cost problems involved in industrial production. A study is made of the principles of general accounting and methods of accounting for cost as used in industry. Emphasis is placed on development of skill in communication and understanding of problems between finance and production.

401. **Business Finance** Three hours

This course is intended to give the student a background in the field of financial management with emphasis on the areas of cost of capital, cost of external equity capital, cost of retained earnings, and similar concepts. It will also include material investment decisions and financial decisions. PR: Bus. 201, 202.

404. **Cost Accounting** Three hours

The relationship of cost accounting to the performance of management functions. The role of cost and profit data in management pursuit of company objectives is studied with four basic points of view in mind: (1) cost principle, (2) cost determination, (3) cost control and (4) cost analysis.

405. **Auditing** Three hours

Duties and responsibilities of auditors, methods of verification of balance sheet and income and expense accounts with the applicable principles of internal control. Preparation of working papers, schedules, audit reports and certificates. PR: Bus. 201, 202, 301, 302, 404.

406. **Federal Income Tax Accounting: Individual** Three hours

Preparation of income tax returns from the accounts of an individual; exclusions and inclusions for gross income, capital gains and losses, business expenses and other deductions.

407. **Federal Income Tax Accounting: Partnership and Corporation** Three hours

Continuation of 406, including preparation of income tax returns from accounts of partnerships, estates and trusts, and corporation. PR: Bus. 406. While previous accounting knowledge or experience will be helpful, no prior accounting training, knowledge, or experience is required.

410. **Investments** Three hours

A study of the principles of investment procedures and practices to follow in investing money.

431. **Materials and Methods in Business Education** Two hours

The latest methods, procedures, and techniques of teaching the skilled and nonskilled Business Education courses. Audio visual resources and equipment available for the teaching of these subjects will be studied. Students will participate and observe classroom teaching.

ECONOMICS

101. **American Business and Industry** Three hours

A study of the principal American industries with emphasis on their contributions and place in the American economy. Geography, technology, competition, economic structure, and history of each major industry group is developed.

210

~~201~~. **Economic Principles and Problems** Three hours
(Required course for general education.)

The course approaches the subject from the point of view of Microeconomics covering the nature and method of economics and describing how the capitalistic system functions. Further study is made of the business cycle, fiscal policy, monetary policy, gross national product and similar concepts. Some time is devoted to the study of competing economic systems.

202. **Economic Principles and Problems** Three hours
(For those meeting the requirement of six hours in Economics)

This course is devoted to Microeconomics. It follows the analysis of the firm and the decisions made by the managers of the firm. It includes the analysis of demand and supply and price and output determination. It is also concerned with the important problems in the field of economics: Monopoly, agriculture, international trade, labor, economic development and similar problems.

303. **Money, Credit, and Banking** Three hours

An intensive study of money and credit principles with an analysis of their effects upon prices. History of banking. Banking principles and practices. PR: Economics 201, 202.

307. **Personal Finance** Three hours

A study of the problems a consumer must face in his or her day-to-day buying and living. It includes a brief survey of budgets, life insurance, investments, managing personal finances, buying services, and other problems of the consumer. Primarily intended as a general education course for non-majors.

405. **Economic Analysis** Three hours

This course is intended to provide the student with experience in economic analysis with a purpose to develop the power of decision-making. Material to be studied will include the areas of forecasting, economic measurements, capital management, and similar subjects. It is intended to provide the advanced student with a review of economics and with its application to business practice. PR: 18 hours of Economics and Business.

406. **Guided Economy Study** One-Three hours

Intensive reading, research, and study in current literature and documents in regard to a selected economic problem or group of problems. The field of study will be one in which the student has a special interest. All work will be done individually and the class will be conducted by conferences with each student. PR: 17 hours of Economics, Business, and Social Science courses.

SECRETARIAL STUDIES

101. **Beginning Typewriting** Two hours

A beginning course in the fundamentals of the typewriter. This course includes basic machine operations, development of speed and control, vertical and horizontal centering, simple tabulation, memorandums, personal business letters, announcements, simple manuscripts, rough drafts and proof-readers marks. No credit by examination.

102. **Intermediate Typewriting** Two hours

PR: S.S. 101 or Department Placement Test. This course includes the development of speed, control, and sustained typing, business letters, envelopes, tabulated reports, manuscripts, changing typewriter ribbbon, and simple business forms. No credit by examination.

201. **Beginning Shorthand** Four hours

Beginning course in shorthand. Introduction of theory and brief forms of Gregg Diamond Jubilee Shorthand. Emphasis is on reading and writing of shorthand at 60 words per minute. Spelling, punctuation, and sentence structure are stressed. No credit by examination.

202. **Beginning Shorthand** Four hours

PR: 201 or Department Placement Test. Continuation of S. S. 201. Emphasis is on the writing of shorthand from dictation at a minimum of 80 words per minute. Spelling, punctuation, and sentence structure are stressed.

204. **Secretarial Accounting** Three hours

Designed to meet the needs of the terminal secretarial student. Trains in the fundamental accounting procedures that will be encountered by the secretary. It develops the understanding and interpretation of accounting principles. Cannot substitute for Business 201 or Business 202.

211. **Advanced Typewriting** Two hours

PR: 102. An advanced course in electric typewriting adapted to office procedures. This course includes the typing of telegrams, cards, statistical reports, tabulation, business letters with tabulated data, invoices, requisitions, typing of special reports, legal documents, changing typewriter ribbon, art typing, duplicating, office style, and sustained typing. No credit by examination.

251. **Business Correspondence** Two hours

PR: S. S. 102, English 102, 104. An analysis of the physical mechanics of the business letter. This course includes the writing of effective business letters in sales, collection letters, letters of application, telegrams, cablegrams, business reports, and post office services. No credit by examination.

301. Advanced Shorthand and Transcription Four hours

PR: S.S. 202 or 2 years of high school shorthand. Emphasis is on the writing of shorthand at a minimum of 100 words per minute and producing mailable transcripts, spelling, punctuation and sentence structure are stressed. A complete review of brief forms and derivatives is included. Sustained dictation and transcription of a departmental business vocabulary is emphasized. No credit by examination.

302. Advanced Shorthand and Transcription Four hours

PR: S.S. 301. A continuation of S.S. 301. Emphasis is on dictation at a minimum of 120 words per minute and producing mailable transcripts. Sustained dictation and transcription of a vocational vocabulary is emphasized. No credit by examination.

303. Principles and Practices of Filing Two hours

Designed to train in the speed and accuracy of the latest filing procedures. Actual practice in Alphabetic, Subject, Numeric, and Geographic filing systems.

311. Office Machines Two hours

An orientation and practice course for students in the Business or Secretarial Studies areas. Approximately two-thirds of the course time is given to practice with representative calculating, duplicating and transcribing equipment No credit by examination.

314. Dictation and Transcription Two hours

PR: S.S. 301. A course combining the skills of shorthand, typewriting and English in the process of typewritten transcription. The course includes a systematic review of the major principles of shorthand with emphasis on spelling, punctuation, dictation transcription techniques.

351. Secretarial Office Practice Two hours

The course includes all phases of office routine and procedures. Class lecture is supplemented by a field trip, films, and guest speakers from local and state industries.

351L Secretarial Office Practice Lab. One hour

A practical course with actual experience in an office. A total of 90 hours in supervised office work is required for credit in the course. Previous work experience cannot fulfill this requirement. Students enrolled in this course should limit their class load for this semester to 16 hours. Two-year students should plan to take this course their last semester in College; the A.B. and B.S. majors should plan to take this course their Junior year. PR: S.S. 211, 302, 351, 2.0 average in major, minor, and overall i. e. for all work attempted.

DEPARTMENT OF FINE ARTS

ART

140. Art Structure and Applied Design Three hours

A basic course in the principles of design applicable to various media and techniques.

141. Art Structure and Applied Design Three hours

A continuation of Art 140.

142. Drawing Two hours

The development of technical skills in the use of various media for a fundamental knowledge stressing observation, memory training, and composition.

241. Drawing from Life Two hours

Drawing from the posed model accompanied by analytical studies of anatomy.

242. Drawing and Painting from Life Three hours

Focuses on sustained individual development. PR: Art 142-241.

255. History and Appreciation of Art Two hours

Emphasis upon art in contemporary living. Considers the social political, and economic impact upon historical backgrounds and modern developments in various art fields.

261. Painting in Oil Two-Three hours

A course designed for those who have had no previous work in painting in oil. PR: Art 142.

262. Painting in Oil Two-Three hours

Continuation of Art 261.

278. Ancient and Medieval Art Three hours

History of Art from Prehistoric times to 1400 A.D. An analysis of the philosophical, religious, and political beliefs and conditions that produced various artistic expressions. PR: Art 255.

283. Modeling and Sculpture Two hours

Introductory course using clay modeling, plaster, and metal sculpture.

284. Modeling and Sculpture Two-Three hours

Continuation of Art 283.

341. **Graphics** Two hours

A study of the methods of reproducing drawings beyond the exploratory level: lithography, etching, woodcutting, and others. PR: Art 140, 142.

353. **Elementary Art Education I** Two hours

Directed experiences in two and three dimensional media such as, drawing, painting, poster, sculpture, and design using various media suitable for children.

354. **Elementary Art Education II** Two hours

The theories, philosophy, and methods of teaching art education. Experiences supplemented — with reference to the needs of students in elementary teaching. PR: Art 353.

361. **Painting in Oil** Two-Three hours

Still life, landscape, and figure painting in oil.

362. **Painting in Oil** Two-Three hours

Continuation of Art 361.

363. **Painting in Watercolor** Two-Three hours

Composition and techniques of painting in watercolor. PR: 142.

364. **Painting in Watercolor** Two-Three hours

Continuation of 363.

Italian and Northern Renaissance Art Three hours

History of painting, sculpture, architecture, and the minor arts in Italy, the Netherlands, Germany, Spain, France, and England from circa 1400 A.D. to the 19th century. PR: Art 255.

378. **Nineteenth Century and Contemporary Art** Three hours

History of art from the 19th century to the present with an analysis of art movements. PR: Art 255.

383. **Ceramics** Two-Three hours

Ceramic design and techniques, such as slab, coil, wheel, etc. for beginners.

384. **Ceramics** Two-Three hours

Continuation of Art 383.

431. **Secondary Art Education** Two hours

Planning and application of problems for junior and senior high schools. Coordinated with the Education Department and the public schools. Designed for students who are practice teaching or for teachers in service.

461. **Advanced Painting in Oil** Two-Three hours

462. **Advanced Painting in Oil** Two-Three hours

Continuation of 461.

463. **Painting in Any Medium** Two-Three hours

The student is permitted to select the medium and then experimentally exploit all the technical and creative possibilities that it permits.

491. **Interior Design** Three hours

Problems of designing and furnishing the home. Considers traditional backgrounds and contemporary developments.

MUSIC

103. **Organ I-VIII** One hour

One thirty minute lesson per week. The program of study will be fitted to the individual needs of the student. One hour of private practice per day is required. Acceptance of the student will be the prerogative of the instructor.

105. **Class Piano I-II** One hour

This course is designed for all students interested in beginning piano. This will be conducted as a class with each member being offered opportunity for participation.

107. **Piano I-VIII** One hour

One thirty minute lesson per week. See description under Music 103.

109E. **Beginning Theory** Two hours

This course is designed for beginning music students who need additional background in Theory. Credit for this class is also used as the theory requirement for elementary teachers with music as a minor specialization. This class may be omitted from a student's program on examination.

109. **Theory** Four hours

This course is designed to acquaint music majors and minors with the techniques of the 18th and 19th century styles of composition. The following elements are included: chord structure and progressions (harmony); application of these principles to the piano (keyboard); correlating the eye and ear (diction and sight singing); understanding of phrase structure (form and analysis). PR: 109E.

110. **Theory** Four hours

A continuation of 109. PR: 109.

139. **Class Voice** One hour

Course consists of a study of the fundamentals of voice production: breathing, resonance, articulation and style.

141. **Voice I-VIII** One hour

Open to students who have sufficient musical background and vocal quality to merit individual instruction. The principles of proper vocal production are stressed with later emphasis upon solo repertoire in English, Italian, German and French.

167. **"Collegiates" I-VIII** One hour

A select touring choir. PR: Audition.

169. **Band I-VIII** One hour

Open to all students who can play an instrument needed to keep a balanced organization. The program of procedure is designed to present study of band literature and administration through participation. PR: Audition.

170. **Laboratory, Band and Orchestra** No Credit

Required of students taking music 211, 213, 215, 217. Open to all students upon instructor's acceptance. This course provides review experiences in playing instruments at the beginning and intermediate levels.

173. **College Chorus I-VIII** One hour

Open to all students who can sing a part. This course is designed to present a study of choral literature, and administration through participation. PR: tryout.

Individual Instruction in Band and Orchestral Instruments

The following courses numbered 177 through 203 are open to students with sufficient musical background to benefit from individual instruction in the techniques of playing band and orchestral instruments. One thirty-minute lesson per week. Acceptance of the student will be the prerogative of the instructor. One hour of private practice per day required.

177.	**Percussion I-VIII**	One hour
179.	**Saxophone I-VIII**	One hour
181.	**Flute I-VIII**	One hour
183.	**Clarinet I-VIII**	One hour
185.	**Oboe I-VIII**	One hour
187.	**Bassoon I-VIII**	One hour
189.	**Trumpet or Cornet**	One hour

191. **Baritone Horn I-VIII** One hour

193. **French Horn I-VIII** One hour

195. **Trombone I-VIII** One hour

197. **Tuba I-VIII** One hour

Strings: Violin, 200 I-VIII; Viola, 201 I-VII; Cello, 202, I-VIII; Bass, 203 I-VIII One hour

205. **Music Appreciation** Two Hours

A general music course in appreciation required of all students. Music of composers of the classical, romantic, and modern periods are discussed, and compositions of these composers are heard through the medium of recordings.

209. **Theory** Four hours

Continuation of Music 110. Emphasis is placed on modulation and the choral style of composition. PR: Music 110.

210. **Theory** Four hours

Continuation of Music 209 with the introduction of the contrapuntal style. PR: 209.

211. **String Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of string instruments is attained through class instruction

213. **Brass Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of brass instruments is attained through class instruction.

215. **Woodwind Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of the instruments of the woodwind choir is attained through class instruction.

217. **Percussion Class I, II** One hour

Open to all students with sufficient background in music. A working knowledge of percussion instruments is attained through class instruction.

231. **Elementary Music I** Three hours

This course gives the student a background in theory, terminology of music, scale building, rhythm, use of syllables, numbers and letters in music reading, chord construction, and use of the keyboard and autoharp. Two lecture hours and one laboratory hour per week. Required of all elementary teachers.

232. **Elementary Music II** Three hours

This course includes materials, methods and procedures for carrying out the music program in the elementary grades one through six. PR: Music 231.

234. **Advanced Vocal Ensemble I-VIII (Male Quartette)** One hour

Open to advanced vocal students. PR: audition.

247. **Stage Band I-VIII** One hour

Open to advanced instrumental students. PR: audition.

245. **Fundamentals of Conducting** Two hours

A course designed to teach and develop the basic skills of conducting. PR: 109.

249. **Advanced Instrumental Woodwind Ensemble I-VIII** One hour

Open to advanced woodwind students. PR: audition.

275. **Advanced Brass Instrumental Ensemble I-VIII** One hour

Open to advanced instrumental students. Designed to give students an opportunity to participate in small ensembles. Groups meet on a regular weekly rehearsal schedule under faculty direction. PR: audition.

277. **Advanced Vocal Ensemble I-VIII (Madrigal Singers)** One hour

Open to advanced vocal students. Designed to give students experience in small ensemble participation. Groups meet on a regular rehearsal schedule under faculty direction. PR: audition.

309. **Orchestration** Two hours

Basic instrumentation and arranging for band and orchestra. PR: 210, elective only.

310. **Counterpoint** Two hours

A study of the style and technique involved in the writing of 16th century polyphonic music. PR: 210, elective only.

311. **Form and Analysis** Two hours

A study of form and the analysis of music as found in the literature from the 17th to the 20th century. PR: 209.

312. **Composition** Two hours

This course is designed to teach, through the study of various types of music, a basic and accepted approach to creative composition. PR: 209.

313. **History** Three hours

This course traces music from the early Greek through the Baroque periods, with emphasis on recognition of styles and composers. PR: 209.

314. **History** Three hours

A continuation of Music 313 covering the Classical and Romantic periods. PR: Music 313.

320. **Techniques of Keyboard Accompanying** One hour

A course designed to acquaint advanced students of piano and organ with the techniques involved in playing accompaniments for performing groups and soloists. Regularly scheduled laboratory experiences in playing accompaniments for vocal and instrumental soloists and ensembles will be provided. This course may be substituted for applied piano. PR: Permission of instructor.

429. **Advanced Instrumental Conducting** Three hours

This course includes advanced and practical application of instrumental conducting techniques, methods, administration and materials used in teaching instrumental music in the secondary schools. PR: 209 and 245.

430. **Advanced Conducting** Three hours

This course includes advanced and practical application of choral conducting techniques, methods, administration, and materials used in teaching choral music in the secondary schools. PR: 209 and 245.

431. **General Music, Grades 1-9 (Block)** Two hours

This course deals with techniques, methods, and materials used in teaching and administrating elementary and general music classes, Grades 1-9.

440. **Senior Recital (See General Music Requirements)** One hour

All music majors are required to present a senior recital or its equivalent before the faculty jury or public.

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

EDUCATION

200. **Introduction to Education** Two hours

An analysis will be made of teaching as a career A self-analysis will be made by the student to ascertain his probable fitness for the profession of teaching. It is a prerequisite for Education 302. Not open to students who have credit in six hours or more of professional education. Open to sophomores only.

302. **Human Growth and Development** Three hours

The aim of the course is to develop an interest in and an understanding of the child as a developing personality. Observations are required. PR: Education 200.

303. **Human Growth and Development** Three hours

This course is a study of the learning process and its relationship to the growth and development of the individual. PR: Education 302.

395. **Survey of Guidance** Three hours

Principles of educational, vocational and personal guidance are examined. Guidance techniques are studied. PR: Education 302 and 303.

400. **Foundations of Education** Two hours

This course is designed to provide an opportunity for students to explore social, historical and philosophical theories and their implications for the interpretation of educational thought and procedure.

405. **Materials and General Elementary Methods** Two hours

PR: Education 302 and 303.

410: **Methods in Elementary Language Arts** Two hours

PR: Education 302 and 303.

415. **Methods of Elementary Social Studies** Two hours

PR: Education 302 and 303.

420. **Observation and Directed Teaching (Elementary)** Three-Seven hours

Student teaching must be on two levels. PR: Education 302, 303, 400, 405, 410, 415 and consent of the instructor.

424. **Audio-Visual Aids** Three hours

Techniques of effective use of graphic materials, unprojected pictures, objects, specimens, models, field journey, projected pictures, and audio aids Required laboratory work includes operation of sound motion picture projectors, slide film, and opaque projectors, and phonotranscription audio equipment.

425. **Observation and Directed Teaching (Grades 1-12)** Three-Seven hours

For non-academic students seeking certification in grades 1-12. PR: Education 302, 303, 405, 442, 440 and consent of the instructor.

430. **Methods of Teaching Reading in the Secondary Schools** Two hours

PR: Education 302 and 303.

431. **Materials and Methods** Two hours

A course in special methods. Chairmen of departments of subject matter fields requiring unique and special methods may offer this course in cooperation with the Department of Education after securing approval. PR: Education 302, 303.

440. **Principles of Teaching in the Secondary Schools** Two hours

PR: Education 302 and 303.

442. **General Methods of Teaching in the Secondary Schools** Two hours

PR: Education 302 and 303.

450. **Observation and Directed Teaching (Secondary)** Three - Seven hours

PR: Education 302, 303, 400, 430, 440, 442 and consent of the instructor.

PSYCHOLOGY

103. **General Psychology** Three hours

An elementary introduction to the viewpoint, methods and principles of the science behavior. Three hours lecture weekly.

250. **Experimental Psychology** Three hours

An introduction of procedures of experimental research, including principal topics of investigation, their representative experimental designs and laboratory techniques. Two hours lecture, two hours laboratory weekly. PR: Psychology 103.

300. **Psychology of Personal Adjustment** Three hours

A basic course in the analysis of human behavior. Special emphasis is given to the mechanisms of adjustment and the development of a systematic adjustment theory. Three hours lecture weekly. PR: Psychology 103.

325. **Abnormal Psychology** Three hours

PR: Psychology 103.

350. **Statistics** Three hours

Elementary statistical description and analysis as employed particularly in the behavioral sciences. Three hours lecture weekly.

375. **Physiological Psychology** Three hours

Discussion of research on physiological mechanisms in behavior. Principal concern will be with central nervous functions. Three hours lecture weekly. PR: Psychology 103.

400. **Psychometrics** Three hours

General theory of measurement as involved in various areas of psychology such as psychological tests, attitude scales, psychophysics, and quantified behavior theory. Three hours lecture weekly. PR: Psychology 350.

425. **Clinical Psychology** Three hours

Consideration of theory and evidence dealing with various topics of clinical application such as personality theory, theory of behavior disorders, techniques of diagnosis and therapy. Three hours lecture. PR: Psychology 400 or consent.

460. **Seminar** Three hours

Discussion of specific research topics as reported in contemporary literature. Each student will complete an individual research project. PR: consent of instructor.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION RECREATION, AND SAFETY

100. **Personal Health** Three hours

This course deals with the importance of physical and mental health, personal health problems, factors that contribute to good health, and develops an awareness of the total information and discoveries in the world of health.

101. **First Aid** Two hours

A course designed to acquaint the student with the need for safety, how to prevent accidents, and the basic fundamentals of first aid treatment as related to injuries, shock, poisoning, artificial respiration, and dressings and bandages.

102W. **Freshman Orientation** One hour

Introduction to physical education activities. This course develops an awareness of need for physical fitness, directs the students into team sports, and provides a program of adapted physical education for students unable to participate in the regular fitness program.

103W. **Freshman Orientation** One hour

A continuation of 102W.

111W. **Track and Field** One hour

The student receives instruction in fundamental techniques of track and field events with particular attention to running, throwing and jumping.

112W. **Field Hockey** One hour

This course is designed to introduce the student to the skills of field hockey, the positioning and playing areas and selection and use of equipment.

113W. **Softball** One hour

This course is designed to develop understandings and skill in the techniques of softball.

114M. **Freshman Orientation** One hour

Physical Education activities for men; designed to meet the needs of the student in health, use of leisure time and physical fitness.

115M. **Freshman Orientation** One hour

A continuation of 114M; includes activities in tumbling, trampoline, field and track events.

116W. **Soccer** One hour

Theory and practice in fundamentals.

117W. **Basketball** One hour

Theory and practice in fundamentals.

118M. **Fundamental Skills and Exercise** Three hours

Introduces the student to a program of activities associated with teaching physical education classes which includes team sports, game situations, officiating, and safety precautions related to each situation.

119M. **Gymnastics** Three hours

This course is designed to teach basic fundamentals of wresting and track events, tumbling, stunts and apparatus work. It includes instruction in the roll, inverted balance, companions balance, backspring and other progressions.

128W. **Tumbling** One hour

Introduces the student to basic stunts and tumbling activities.

129W. **Gymnastics** One hour

This course is designed to introduce the student to apparatus such as the ropes, trampoline, minitramp, vaulting, uneven parallel bars, and balance beam.

130. **Swimming (Beginning)** One hour

Primarily designed for the non-swimmer this course offers instruction in elementary, intermediate and advanced swimming skills.

134W. **Volleyball** One hour

Introduces the student to basic skills, rules and history of the game, game situations and team play.

135W. **Fundamental Skills** One hour

A course to provide the student with the knowledge and skill of the most efficient and graceful way to perform the fundamental exercises of walking, running, standing, sitting, jumping and throwing.

136. **Bowling** One hour

Introduces the skills of bowling and provides practice in game situations.

143W. **Individual Sports** One hour

This course includes instruction in fundamentals of badminton, paddle, table and deck tennis and archery.

146. **Social Dance** One hour

Provides opportunity for the student to cultivate dance etiquette, to develop grace and poise; teaches various social dances such as the waltz, fox trot, polka and tango.

148. Modern Dance Two hours

An introduction to modern dance. The course provides instruction in space, time, quality of movement, dance positions, creative dance techniques, composition, and methods of teaching rhythmic patterns.

202. Community Health Three hours

This course is designed to acquaint students with community health problems. It includes sociological and anthropological aspects of health, community planning and organization to solve health problems, community health education, and basic public health problems with attention to alcoholism, water and air pollution, mental health, and space.

203. Safety Three hours

Provides information on safety needs of students and community, suggests teaching principles and procedures to meet these needs, and furnishes material that can be utilized in the areas of safety education.

228W. Lacrosse One hour

This course is planned to teach students the game of lacrosse and includes basic skills, game play, rules strategy and evaluation.

230. Swimming (Intermediate) One hour

This course is planned to improve and advance swimming skills. Students are introduced to basic arm and leg strokes of the nine forms of swimming.

236. Tennis One hour

Major emphasis is placed on fundamentals, advanced skills and teaching techniques.

241M. Individual and Dual Sports Two-Three hours

This course includes instruction in badminton, paddle, table and deck tennis and archery, and specialization in other similar physical education activities.

242M. Team Sports Two-Three hours

The function of this class is to provide an orientation in physical education. In addition to an introduction to physical education it provides opportunity to learn techniques of basketball, field games and volleyball.

247. Folk and Square Dancing Two hours

A survey of the history and development of folk and square dancing. Development of necessary skills for participation and teaching.

250. Foundations of Health, Physical Education, and Recreation Three hours

This course is designed to give the student a background in the historical, philosophical and scientific foundations of physical education.

282. Community and Industrial Recreation Three hours

Organization and supervision of recreation for community and industrial groups.

304. Human Anatomy and Physiology Three hours

A course presenting the basic essentials of anatomy and physiology. Special emphasis is placed on the body as an integrated whole, role and functions of the nervous, muscle and skeletal systems, body metabolism, and reproduction of the human being.

305. Kinesiology Three hours

This course considers the science of body movements and its application to daily living which includes knowledge of basic mechanics of human motion. It includes anatomic fundamentals of human motion, mechanics of human motion, principles of basic motor skills and applications of kinesiology.

310. School Health Problems Three hours

A course designed to present a comprehensive approach to the school health programs; it includes history of modern day better programs, understanding of the health problems of the school-age child, and instructions in developing appropriate programs.

320M. Officiating Football and Basketball Two hours

Rules; techniques of officiating and laboratory work.

321M. Basketball Two-Three hours

A detailed course which includes fundamentals of playing and coaching basketball.

322M. Football Two-Three hours

A detailed course which includes fundamentals of playing and coaching football.

323M. Baseball Two-Three hours

A detailed course which includes fundamentals of playing and coaching baseball.

324M. Wrestling Two-Three hours

This course aims to develop professional competencies for effective teaching, coaching and administration of amateur wrestling.

325M. Track and Field Two-Three hours

A detailed course which includes development of competency in field and track events, coaching, organizing and teaching classes and meets; prevention and treatment of injuries, and a survey of appropriate literature.

326W. Coaching and Officiating Volleyball, Hockey and Soccer Three hours

This course is designed to include practical experiences in sports classes in working with organized groups, teaching skills, planning and conducting games and clinics in volleyball, hockey and soccer.

327W. Coaching and Officiating Basketball, Track, Softball and Lacrosse Three hours

This course is designed to include practical experience in sports classes in working with organized groups, teaching skills, planning and conducting games and clinics in basketball, track, softball and lacrosse.

328. Games and Rhythms for Elementary School Two hours

This course is designed to provide the student with knowledge of and skill in participation in various games and rhythms suitable to elementary school children. It includes elements of planning and organization, safety education, and physical education on the elementary level.

329. Physical Education in the Elementary School Two hours

This course provides actual teaching experience. Emphasis is placed on methods of pedogogy, evaluation of student progress, and teaching atypical children. Elements of safety education are included.

360. Evaluating and Assisting Three hours

This course considers the evaluation process in health and physical education and includes the administration of various tests for evaluating pupil achievement. It also provides teaching experience in student evaluation.

362. Organization and Administration of Health, Physical Education and Recreation Three hours

This course deals with the place of physical education and health education in the total education program. It emphasizes administrative policies and activities, budget making, purchase and care of equipment, and surveys the physical education organizations and service program.

384. Camping and Youth Organization Three hours

A study of the camping movement, outdoor education and organizations serving youth.

385. Recreational Leadership Three hours

A course in organizing and directing group recreational activities.

386. Recreation Field Work and Inspection Three hours

A laboratory course including planned observation trips to recreation centers and playgrounds with training periods in organization and inspection.

407. Physiology of Exercise Three hours

This course is designed to provide knowledge of the physiological background necessary for understanding the response of the body to exercise. Emphasis is placed on aspects of physical fitness and conditioning for the individual throughout life.

408. Adapted Physical Education Two hours

A study of modern trends in adapted physical education programs to meet the needs of all children and youth. Includes teaching techniques used in adapted physical education programs and attention to planning programs for the disabled or handicapped.

431. **Special Methods in the Teaching of Physical Education** Two hours

This course is designed to provide the student with information concerning methods of teaching health education, physical education, recreation and safety. It emphasizes the materials and techniques of instruction appropriate for grades 7-12.

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

HISTORY

111. **History of Civilization** Three hours

A survey of the history of man from the earliest times to the beginning of the modern era.

112. **History of Civilization** Three hours

A survey of the history of man from the beginning of the modern era to the present time.

207. **United States History** Three hours

A survey course in United States history from the Age of Discoveries to the Reconstruction era.

208. **United States History** Three hours

A survey course in United States history from the Reconstruction era to the present time.

302. **West Virginia History** Three hours

A study of West Virginia history, government, and geography from the first settlements to the present time. PR: History 207, 208.

310. **History of England** Three hours

A survey of English history from 1066 to the present. PR: History 111, 112.

312. **Diplomatic History of the United States** Three hours

A study of the foreign relations of the United States and the development of basic American foreign policies from the colonial period to the present. PR: History 207, 208.

315. **Colonial America** Three hours

A study of the American colonies from their beginnings to the end of the Revolutionary War. PR: History 207.

317. **The Civil War and Reconstruction** Three hours

PR: History 207, 208.

320. **American Economic History** Three hours

A survey of the economic development of the United States from the colonial period to the present. PR: History 207, 208.

330. **Europe from 1300 to 1763** Three hours

A study of the development of Europe's national monarchies, the rise of capitalism and mercantilism, religious history from the Reformation to Pietism and Deism, and European intellectual achievement from the Renaissance to the Enlightment. PR: History 111, 112.

331. **Europe from 1763 to 1850** Three hours

A study of the causes of the French Revolution, the Revolution itself, the career of Napoleon, and the conflict or revolutionary and counter-revolutionary forces in the post-Napoleonic era. PR: History 111, 112.

340. **Europe from 1850 to 1919** Three hours

PR: History 112.

341. **Europe from 1919 to the Present** Three hours

PR: History 112.

350. **Latin America: The Colonial Period** Three hours

A survey of Latin American history from 1492 to 1821. PR: History 111, 112.

351. **Latin America: The National Period** Three hours

A survey of the history of the Latin American nations from 1821 to the present. PR: History 111, 112.

360. **European Intellectual History** Three hours

A study of the main currents of European thought and their important relationships with the historical setting. PR: History 111, 112.

370. **American Intellectual History** Three hours

A study of the main currents of American thought and their impact on the evolution of American history. PR: History 207, 208.

410. **Recent America** Three hours

United States history from 1929 to the present. PR: History 208.

421. **History of Russia** Three hours

Russian national development from its origin to the present. Emphasis upon the nineteenth and twentieth centuries. PR: History 112.

422. History of the Far East Three hours

A brief survey of the cultural development of China, Japan and Korea to 1800, and a more detailed analysis of the impact of the West upon these areas from 1800 to the present. PR: History 112.

423. History of Southeast Asia Two hours

A survey of Southeast Asia with primary emphasis on India and Pakistan as a culture center. Major topics include: Western colonialism, movements of nationalism, problems of independence, and international relations: PR: History 112.

431. Special Methods Two hours

Methods of teaching the social studies in the secondary schools.

460. Guided Historical Study One-Three hours

Intensive reading on a selected topic or problem in American history. PR: Consent of instructor.

461. Guided Historical Study One-Three hours

Intensive reading on a selected topic or problem in European history. PR: Consent of Instructor.

470. Seminar Three hours

Intensive study of a selected topic with emphasis on individual research, report writing, and discussion. PR: Consent of instructor.

SOCIOLOGY

210. Introductory Sociology Three hours

A study of the structure, function, and change in culture and society.

301. Anthropology Three hours

A study of human biological and social origins, including human prehistory, race, the origin and nature of culture, social organization among preliterate peoples, cultural diffusion, and culture change. PR: Soc. 210.

305. Social Psychology Three hours

A study of social structure and social interaction. Techniques of leadership and control will receive special study. PR: Soc. 210. Psychology 103 recommended.

310. Marriage and the Family Three hours

A study of the background, organization, and function of the American family. Courtship, marriage, marriage adjustment, parenthood, family disorganization and the effect of social change upon the family will be studied. PR: Soc. 210. Not open to students with credit in Home Ec. 310.

320. **Rural Sociology** Three hours

A study of the characteristics of rural society including its culture, social relationships, and institutions. Rural society is studied in comparison with urban society as a part of American Society. PR: Soc. 210.

330. **Urban Sociology** Three hours

A study of the characteristics of urban society including its culture, social relationships and institutions. Urban society is studied in comparison with rural society as a part of the American Society. PR: Soc. 210.

340. **Juvenile Delinquency** Three hours

A study of what society defines as delinquent behavior and of the young people designated as delinquents. Emphasis will be placed on the causes of delinquency and on the various techniques and methods of prevention, treatment, and rehabilitation. PR: Soc. 210.

360. **The Field of Social Work** Three hours

A study of the history and development of social work with special emphasis upon modern social work agencies and the services which they render. Various types of social work will be considered from the standpoint of the prospective social worker. PR: Soc. 210.

410. **Industrial Sociology** Three hours

A study of the organization, structure, function and social relationship found in the various areas of industrial activity in American society. The area of industrial relations will receive special emphasis. PR: Soc. 210.

430. **Community Organization** Three hours

A study of the structure and function of the various social groupings found in the community. The course is oriented toward the development of community leadership talent. PR: Soc. 210.

450. **Minority Groups** Three hours

A study of racial and cultural minority groups in the United States with special emphasis upon understanding the cause of their persistence and the reason for majority-minority antagonisms. A study of the techniques whereby prejudices are developed and reduced will be made. PR: Soc. 210.

460. **Social Problems** Three hours

A study of representative social dislocations in important areas of human relationships. PR: Soc. 210.

470. **Sociological Theory** Three hours

A study of the theoretical basis of modern sociological thought, institutions and organizations. PR: Soc. 210.

490. Seminar: Sociological Literature Three hours

A course designed to use original sources and publications not primarily used as texts. PR: Junior standing with 12 hours of sociology.

499. Seminar: Special Problems in Sociology Three hours

Open only for juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's need. PR: Junior standing with 12 hours of sociology.

POLITICAL SCIENCE

103. American National Government Three hours

A survey of American government devoted to the consideration of the origins, constitutional basis, and functions of the Federal System.

200. Principles of International Relations Three hours

A study designed to acquaint the student with the theory and practice of international relations. PR: Political Science 103.

203. Comparative Government Three hours

A survey designed to give a broad general acquaintance with the political institutions and government practices of certain nations. PR: Political Science 103.

205. State and Local Government Three hours

A study of the structure and function of American state and local governments. PR: Political Science 103.

303. Political Parties Three hours

A study of the origins, growth, and development of the American political party. PR: Political Science 103.

305. American Political Theory Three hours

A study of the political literature which has given expression to the ideas of individual liberty enjoyed by American citizens. PR: Political Science 103.

406. International Problems Three hours

The foreign policies of the nations and the machinery established and functioning for the peaceful adjustments of international differences. PR: Political Science 103 and consent of instructor.

410. Problems in American Government Three hours

A study of current problems affecting the structure and function of American national government. PR: Political Science 103 and consent of instructor.

GEOGRAPHY

210. World Regional Geography Three hours

An introductory course in geography with major attention to the principles and concepts of the subject and a detailed study of the geographical regions of the world.

320. Human Geography Three hours

A world survey of man's utilization of the earth, with emphasis on the inter-relationship of cultural life and natural environment. PR: Geography 210.

DEPARTMENT OF INDUSTRIAL—TECHNICAL EDUCATION

101. Electricity I Two hours

A study of DC circuits, the electron theory, resistance, power, magnegtism, conductors and insulators, theory and use of the multimeter. PR: I.E. 107, Physics 102, or consent.

102. Electricity II Two hours

A study of AC circuits including inductance, capacitance, reactance, impedance and phase relationships. PR: I.E. 101.

106. Mathematics for the Technician I Three hours

Fundamental operations with signed numbers, factoring, simultaneous equations, graphs, exponents, trigonometric functions, right triangles, radian measure, and logarithms. Problems are chosen to illustrate basic concepts encountered in industrial technology.

107. Mathematics for the Technician II Three hours

A continuation of I.E. 106.

110. Basic Electronics I Two hours

A study of vacuum tube technology including various types of vacuum tubes, their theory of operation and application to typical electronic circuits.

111. Basic Elcetronics II Two hours

A continuation of I.E. 110.

120. Drafting I Two hours

A study of drawing as the universal language of industry. This course is on the college level for beginners. It includes lettering, sketching, orthographic projection, sectional views, and auxiliary views.

122. **Architectural Drafting I** Two hours

A course in the study of architectural nomenclature and terminology, structural members and materials used in construction of residential units. Symbols, conventions, and sectional views are studied and drawn in compliance with the Federal Housing Authority Code.

123. **Machine Design** Two hours

A course in which the characteristics of metals and machine parts are studied. Emphasis is placed on the representation of threads, cams, gears, and formulas relating thereto. A selected piece of machinery will be measured, sketched, and drawn.

130. **Printing Processes I** Two hours

Introductory experiences in the various methods used by the graphic arts industry. These include letterpress and offset printing, dry point and block etching, silk screen print, embossing, marking devices, and bookbinding.

131. **Printing Laboratory I** Two hours

132. **Typography I** Two hours

Principles and experiences in the fundamentals of composition and the application of the point system and printers mathematics. An intensive study of type characters, fonts, series, families, and classifications of foundry type.

133. **Offset Printing I** Two hours

The problems and techniques of offset presswork for duplication, production presses, and letterset. Related problems in inks and paper relationships.

134. **Graphic Layout and Design I** Two hours

The fundamentals of design for printers and the use of art and color in printing. PR: I.E. 132-133.

136. **Printing Composition I** Two hours

Use of the offset composing machines, photography and plate making equipment. PR: Typing proficiency.

137. **Printing Composition II** Two hours

A continuation of I.E. 136.

140. **Engine Theory I** Two hours

A survey course of engine design and characteristics. The operation principles of internal combustion engines and nomenclature, location, and function of stationary and moving parts.

141. **Engine Laboratory I** Two hours

142. Power Transfer Theory I Two hours

A study of the transfer of power to its terminal use through transmissions, torque converters, propellers, shafts, universals, differentials, and other driving mechanisms as well as direct transfer by air or other fluids.

143. Power Transfer Laboratory I Two hours

144. Carburetion and Ignition Theory I Two hours

Methods and principles involved in the flow, metering, atomization, and delivery of fuel. Theory and practice of generation and distribution of electricity through the electrical system.

145. Carburetion and Ignition Laboratory I Two hours

146. Hydraulic and Suspension Systems Theory I Two hours

Study of the theories and practices of suspension and hydraulic systems used in modern vehicles.

147. Hydraulic and Suspension Systems Laboratory I Two hours

160. Hand Woodworking Two hours

A beginning course of woodwork in which materials, tools, tool processes, fastenings, and construction are studied. Construction work consists of procedural tasks embodying typical tool operations.

161. Gas Welding I Two hours

The care, operation, use, maintenance, and methods of welding and brazing the common metals using the oxy-acetylene welding torch.

162. Arc Welding I Two hours

The care, operation, use, maintenance, methods, and safety precautions necessary in the welding of common metals by the use of the arc welder. Welding will be done with AC and DC welding machines, oxy-arc cutting process and Tungsten Inert Gas Process dealing with hard-to-weld metals.

163. Sheet Metal I Two hours

A beginning course including instruction in laying out surface patterns, making useful articles involving typical stretch out, joints, wiring, soldering, and riveting.

165. Cold Metal Processing Two hours

Laboratory course in the basic use of tools and techniques used in the shaping, forming, drilling, tapping, and joining of the ferrous metals in a cold state. Use and care of the hand tools and layout procedures. Methods of fastening and holding.

166. Building Construction (Residential) I Two hours

A study of the practices utilized in construction of small buildings and the problems involved in the erection of the building from the ground up. PR: I.E. 160, 122, 222, or 12 hours of I.E. work.

167. **Machine Shop I** Two hours

A beginning course in the fundamental hand and machine tools. Study will involve care and operation of the lathe, drill press, power hack saw, all-purpose band saw, and surface grinder. Material and tool specifications will be introduced.

170. **Statics** Three hours

A study of force systems in static equilibrium. Includes concurrent, non-concurrent force systems, trusses, friction, moments of inertia, and centroids of areas. PR: Math 112 or I.E. 107; Physics 101.

180. **Materials and Processes of Industry** Two hours

A detailed analysis of the general nature and extent of basic American industries with an emphasis on materials and processes. Special attention is given to the technical, consumer, occupational, cultural, recreational, and social functions of the respective industries.

181. **General Shop I** Two hours

A multiple materials experience laboratory designed to run concurrently with I.E. 180, wherein students develop a variety of project activities. Students experience a laboratory situation similar to that in which they may find themselves during their teaching careers. Each student is expected to explore, to experiment, and to develop ideas which are essentially expressive of himself.

186. **Recreational Crafts** Two hours

Activities involving a variety of tools, materials, processes, and machines are employed to acquaint the student with the crafts. The student is encouraged to develop ideas which are expressive of himself. In addition, the organization and administration of recreational crafts programs is studied.

190. **Industrial Orientation** No credit

An orientation course for the freshman student providing a general view of engineering technology and the place of the technician on the engineering team.

191. **Personnel Problems and Labor Relations** Two hours

A seminar dealing with the problems of labor and management. Wage and hour laws and industrial regulations.

192. **Personnel Administration** Two hours

A study of personnel management, industrial supervision and labor-union relations. Also included are job evaluation, wage systems, and merit rating.

201. **Electrical Measurements Laboratory I** Two hours

A study of alternating and direct current circuits, electronic tubes and semiconductors; assembly and tracing of electrical and electronic circuits. PR: I.E. 102.

202. **Electrical Measurements Laboratory II** Two hours

A continuation of I.E. 201.

204. **Electrical Machinery DC** Two hours

A study of the principles and operation of direct current machines. Includes generator and motor characteristics, efficiency ratings, and applications of DC equipment. PR: I.E. 101, 102.

205. **Electrical Machinery AC** Two hours

A study in the operation and construction of alternating current machines. Includes polyphase induction motors, single phase motors, synchronous motors, converters, and rectifiers. PR: I.E. 204.

220. **Drafting II** Two hours

A continuation of I.E. 120 including sheet metal intersections and developments. Transition pieces, square to round, and round to round. Introductory machine drawing, working drawings, and assigned projects. PR: I.E. 120 or advanced placement.

221. **Graphic Illustration** Two hours

Industrial illustrating. This course involves a study of machine design, metals, and alloys. Small machine assembles will be drawn by the exploded view method showing all parts in relation to other parts. This type of drawing is used extensively by industry for assembly purposes. PR: I.E. 120, 123.

222. **Architectural Drafting II** Two hours

A continuation of I.E. 122, symbols, conventions, sectional views, and other forms of architectural detailing for one and two living units, in compliance with the Federal Housing Authority Code. PR: I.E. 122.

223. **Jigs and Fixtures** Two hours

Instruction in the design of cutting tools, drill jigs, milling fixtures and press tools. Basic principles covering the proper locating, supporting and clamping of parts in jigs and fixtures. The use of company catalogs in the selection of standard tool design accessories is emphasized. PR: I.E. 123.

232. **Typography II** Two hours

Advanced laboratory experiences in composition and presswork and composing room practices. PR: I.E. 133.

233. **Offset Printing II** Two hours

Principles and experiences involved in lithography as a printing process. Cold type composition, camera work, stripping, plate processing and press work; line shots and half-tones. PR: I.E. 132.

234. Graphic Layout and Design II Two hours

Advanced experiences in design and experiences in the use of color in many forms of commercial printing. PR: I.E. 134.

235. Printing Estimating Three hours

Printer's mathematics. A thorough understanding of paper stock, inks, and chemicals. Elements of estimating composition, presswork, binding, and other costs in the operation of a printing situation.

240. Engine Theory II Two hours

A study of the principles of diagnosing, locating, and correcting troubles encountered in engine operation and problems which occur in their testing and servicing. PR: I.E. 140.

241. Engine Laboratory II Two hours

242. Power Transfer Theory II Two hours

Advanced principles of mechanical power transfer through automatic transmissions and differential mechanisms. PR: I.E. 142.

243. Power Transfer Laboratory II Two hours

245. Hydraulics Two hours

A study of the concepts of fluid power transmission, control systems, characteristics of pumps and fluid pressurizing mechanisms. Hydraulic cylinders, rams, and fluid motors are explained fully. A survey of control valves, servos and associated devices is also included.

260. Machine Woodworking Two hours

Laboratory and lecture work in the principles and techniques of operating the power tools normally found in the woodworking industry. Emphasis is placed on the development of accuracy and safety in the use of the equipment necessary to each of the manufacturing operations.

261. Gas Welding II Two hours

Advanced techniques in the selection and use of heats, special rods, and fluxes used in the welding of piping, and machine components made of materials other than mild steel. PR: I.E. 161.

262. Arc Welding II Two hours

Advanced techniques in the selection and use of heats, special rods, and fluxes used in the welding of piping and machine components made of materials other than mild steel. PR: I.E. 162.

263. Sheet Metal II Two hours

A continuation of I.E. 163. Advanced work will be offered in lay-out problems, joints, and other typical sheet metal situations commonly found in duct work. PR: I.E. 163.

265. **Hot Metal Processing** Two hours

Tools and processes involved in the shaping of metals at an elevated temperature, elementary welding, forge and foundry work in the nonferrous metals, heat treatment, and oxide coloring.

266. **Building Construction (Industrial) II** Two hours

Technical information and advanced problems of roof framing, cornice construction, exterior finish. PR: I.E. 166.

267. **Machine Shop II** Two hours

This class leads the advanced student into the problems and methods of solving these problems in milling machine operations. Gearing problems, equations, gear cutting methods, and the necessary related technical information forms the basis of this course. PR: I.E. 167.

270. **Strength of Materials** Three hours

A study of the behavior of materials under various types of loads. Includes stress-strain relationships, torsion, bending stress, riveted and welded joints. PR: I.E. 170.

271. **Strength of Materials Laboratory** One hour

Tension, compression, shear, impact, and hardness testing of materials. PR: I.E. 270.

274. **Graphic Solutions I** Two hours

A study of the spatial relationships required for analysis of three dimensional problems including the techniques of descriptive geometry. Also included is an introduction to graphical arithmetic and algebra. PR: I.E. 170, 220.

281. **General Shop II** Two hours

Designed to run concurrently with I.E. 380 to provide an opportunity for the student to build upon his experiences in I.E. 181 and to improve upon his understanding of the laboratory teaching situation. Laboratory experiences are in keeping with the basic industries and their function in the junior-senior high school. PR: I.E. 181.

284. **Plastics I** Two hours

A study of the technical aspects of manufacturing processes related to thermoplastic materials. Specific attention is given to types, characteristics, design principles, molding, fabricating, and fininshing techniques.

285. **Industrial Design** Two hours

Form and function; natural phenomenon; simple industrial design solutions in human engineering, material, structure, and methods of manufacture. Model and mechanical drawings of products developed. PR: I.E. 120, 220.

286. **Crafts** Two hours

The student is encouraged to explore, experiment, and create with a variety of materials and processes through the constructive manipulation of hand, tool, and machine. The various craft disciplines are analyzed in terms of our present culture and the material crafts of our heritage.

289. **Ceramics** Two hours

A laboratory experience including the technical aspects of clay products to include design principles, forming, decorating, and glazing techniques. The student will be encouraged to explore and develop ideas which are expressive of himself.

315. **Industrial Electronics and Controls** Two hours

Analysis of direct and alternating current motor starting equipment across the line and step starters, safety devices and remote control circuits. Basic vacuum tubes, power supplies, voltage amplifiers, phase shift circuits, and electronic motor control circuits. PR: I.E. 101, 102.

316. **Advanced Electronics I** Two hours

A study of rectification with filtering, small signal vacuum tubes and transistor amplifiers. Measuring techniques, use of vacuum, transistor analyzers and curve tracers. PR: I.E. 110.

317. **Advanced Electronics II** Two hours

A continuation of I.E. 316 with further study of small signal amplifiers and various other vacuum and solid state devices. PR: I.E. 316.

320. **Drafting Room Techniques I** Two hours

Analysis of patent drafting, technical and legal consultation, preliminary sketch and drawings, indentures, expressions, and final drafts. PR: Six semester hours in drafting.

321. **Structural Drafting** Two hours

The design and checking of suitable steel sections to be used as beams, girders, lintels, columns and struts, the design of simple frames, and the use of bar joists, and open web long span joists, the design of timber beams, girders, columns, and wood floors. Different types of fasteners are discussed and vector diagrams are employed to solve for the loads of the various members of a frame. In addition to static loads, wind and impact loads are dealt with. PR: I.E. 120, 122, 222.

322. **Architectural Design** Two hours

A continuation of I.E. 222 in which design of houses, building materials, and specifications are studied in compliance with the Federal Housing Authority Code. Each student will develop and print a complete set of plans, specification sheets, and cost estimate for his own house. PR: I.E. 222.

323. **Electrical Drafting I** Two hours

An introduction of the various kinds of drawings and drafting techniques used in the design and construction of electrical equipment. Use of basic electrical principles, and typical applications will be utilized in drafting problems. PR: I.E. 120, 220, 101, 102.

333. **Printing Techniques I** Two hours

Advanced laboratory experiences in typography. PR: I.E. 133, 233.

334. **Photo Composition I** Two hours

Correct use, operation, and care of VariTyper, Headliner, and other composing machines. PR: I.E. 234.

335. **Printing Plant Management** Three hours

A study of the organization, supervision, and operation of a printing plant with practical problems in inventory, production, costs and quality controls. PR: I.E. 235.

345. **Pneumatics** Two hours

Principles and practices in the use of compressed air as a form of power. Valves and controls, power pistons, pressure relief devices, and other items necessary for the effective operation and control of pneumatic equipment.

360. **Metallurgy** Two hours

An introduction to the basic elements of metallurgy including structure of metals, properties of metals, smelting, refining, heat treating, and testing.

366. **Construction Theory & Lab I** Two hours

Introductory course in construction materials and methods. Physical and mechanical properties of wood. Grades of wood construction. Types of construction and foundations. Cement, gypsum, and masonry materials methods.

370. **Manufacturing Processes I** Two hours

Experience on lathes, milling machines, shapers, planers, drill presses, surface and bench grinders, bench work, use and care of micrometers and measuring tools. Application of threading, turning, facing, taper turning on lathes. Use of the plain dividing head and other milling attachments. Drill grinding. Machine shop safety regulations. Forming flat surfaces on shapers and planers. Power sawing applications. PR: I.E. 267.

371. **Thermodynamics** Three hours

A basic study of thermodynamic properties of substances, work and heat relationships, the conservation of energy and various gas cycles. Extensive applications of these principles to practical problems involving heat exchangers, nozzles, and steam turbines. PR: Math 112 or I.E. 107; Physics 101.

372. **Surveying** Two hours

Instruction in the use of the engineer's tape, transit, and level and the methods of recording field data in note form. Field problems associated with the theory will cover horizontal and vertical measurements, differential, profile and other leveling operations, and angular and bearing measurements with the transit. Also included is traverse layout and computing. PR: I.E. 107 or Math 112.

373. **Computing and Estimating** Two hours

Problems of approximate and exact methods of arriving at lump sum and unit prices, and estimating total costs for materials and services; accepted methods of itemizing preliminary and final estimates.

374. **Graphic Solutions II** Two hours

A nomography, empirical equations, graphical calculus and the corresponding numerical techniques used in the solutions to applied problems. PR: I.E. 107 or Math 112 and I.E. 120.

375. **Plumbing and Sanitation** Two hours

Study of commercial and residential sanitary systems, sizing and layout of plumbing and sanitary systems, terminology and the interpretation and application of the governing codes.

376. **Heating and Air Conditioning** Two hours

Laboratory problems dealing with installation, maintenance and operation of forced warm air heating systems, hot water systems, steam and steam conversion systems, and radiant panel heating systems. System performance testing, air distribution system analysis, equipment operation and ratings. Application of automatic controls and instrumentation of heating systems. Laboratory experiments on design principles of piping systems, duct and duct fittings. PR: I.E. 163, 263.

377. **Time and Motion Study** Two hours

Fundamentals of work simplification and motion economy using the techniques of motion and time study for the development of effective methods of production.

378. **Plant Layout and Materials Handling** Two hours

A study of the economical arrangement of stocks, machines, and layout of aisles for efficient handling of materials and production.

379. **Industrial Economy** Three hours

Techniques of engineering economy as related to cost, design, and selection of materials. PR: Math 112 or I. E. 107.

380. **Philosophy of Industrial Arts** Two hours

Designed to give the student a historical background of the industrial arts movement as a basis for developing a philosophy as to the place and function of industrial arts in general education. PR: 12 hours of Industrial Arts courses.

381. **Organization and Administration of Industrial Arts** Two hours

Designed to aid the student as a future teacher of industrial arts. Problems of administration, shop arrangement, care of machinery, ordering of materials and supplies, and techniques of shop instruction will be studied. PR: 6 hours of Industrial Arts courses.

382. **Furniture Construction and Design** Two hours

A lecture-laboratory course in the developmental function of design, especially as it applies to the area of household furniture. Student problems include the designing of furniture and other household articles which are to be used as projects in the industrial arts laboratories. PR: I.E. 160, 260.

384. **Plastics II** Two hours

Through research and development oriented activites the student will experiment with and design products utilizing both thermo-setting and thermoplastic materials. Fabrications, molding, casting, bonding, and heat forming techniques will be studied. PR: I.E. 284.

385. **School Shop Maintenance I** Two hours

Care, repair, and general maintenance of tools and equipment used in teaching industrial laboratory classes, and the construction of storage facilities, teaching devices, and visual aids.

386. **Industrial Arts for the Elementary Teacher** Two hours

The laboratory experiences are derived from the technology of the home, community, and world analogous to the lower, intermediate, and upper elementary grades. A variety of materials, tools, and processes are utilized as each student develops his own ideas. Emphasis is also placed upon the organization and administration of such a program.

391. **Wood Finishing** Two hours

A survey course in the materials and methods commonly used in the finishing of furniture and similar articles, and readily applicable to use in high school shop situations. The various types of dyes, stains, shellacs, varnishes, lacquers, and sealers will be used on sample panels. PR: I.E. 160.

392. **Blueprint Reading** Two-Three hours

A course in the reading of the prints and drawings most commonly found in industrial operations. Emphasis is placed on the development of speed and accuracy in the use of working drawings.

415. **Electrical Maintenance** Two hours

Materials, tools, and techniques involved in the maintenance of the electrical and electronic equipment. Switches, breakers, dimmers, timing devices, single and polyphase motors. PR: I.E. 101, 315.

416. **Advanced Electrical Theory I** Two hours

A study of special circuits and applications. High frequency circuits, electromagnetic fields and methods of solution of selected problems.

417. Advanced Electrical Theory II Two hours

A continuation of I.E. 416.

420. Drafting Room Techniques II Two hours

Advanced technical work for specialists in the drafting field. Recent developments, advanced technical and experimental work and technical reports in drafting. PR: I.E. 320.

421. Drafting, Planning, and Scheduling Two hours

The administration practice methods necessary to the effective use of the designing and drafting staffs in the architect's office. Legal requirements, customer relations, costs analysis. PR: 8 semester hours of architectural or mechanical drafting.

422. Architectural Drafting III Two hours

Preparation of plans for a commercial or public building. Sketching and instrument drawings, rendering, and reference to building codes. PR: 122, 222.

423. Electrical Drafting II Two hours

Industrial and communication electronics symbols; elementary wiring diagrams for 8-C amplifier chassis; composite elementary diagram to wiring diagram of sequence controller; sketch of elementary to wiring diagram of a semi-automatic welding controller. PR: I.E. 323.

431. Methods and Materials of Teaching Industrial Arts Two hours

A course in which the particular problems and techniques of teaching Industrial Arts are dealt with. Emphasis is given to the special methods of handling demonstrations, use of special teaching aids and other related problems peculiar to the Industrial Arts Shop. PR: I.E. 380, 381, and senior standing.

433. Printing Techniques II Two hours

Advanced laboratory experiences in offset printing techniques. PR: I.E. 132, 232.

434. Photo Composition II Two hours

Reproduction of line material and the use and care of the process camera. The reduction and enlargement of copy. Determining basic exposure and developing, stripping negatives and platemaking. PR. I.E. 334.

435. Printing Mechanics and Press Design Four hours

Principles of operation of the printing machinery and the adjustment, repair, and proper care of the equipment. PR: 12 hours in the printing option.

445. Fluid Mechanics Three hours

A study of basic concepts of fluid flow, including the Bernoulli Equation, orifices and nozzles. Pipe friction, heat losses and pumping systems are covered in detail. PR: I.E. 371.

466. Construction Theory and Lab II Two hours

Modern steel, wood, and masonry construction design methods and practices. Problems in beams, girders, and columns. Concrete analysis. A.S.T.M. testing. Fundamentals of utilities control.

470. Manufacturing Processes II Two hours

Set up and operation of machines and turret lathes. Practice in spiral and differential indexing. Cam milling. Tool and cutter grinders. Surface grinding, machine tool setup, precision level and test bars. Construction of cemented carbide single point tools. PR: I.E. 370.

473. Contracts and Specifications Two hours

A study of some of the regular and business aspects of the law pertinent to the engineering profession with special emphasis on various types of contracts used in the construction industry. Instruction also is afforded in the field of bidding procedures and in the availability of surety bonds and insurance. Specifications are analyzed from the standpoint of design and construction features.

474. Codes and Practices Two hours

A study of the general building codes recommended by the National Board of Fire Underwriters and a detailed study of the building codes of local communities. An analysis of building types and the economical use of materials selected for construction.

475. Dynamics Three hours

A study of the effect of forces on bodies in motion. Analysis of motion by mass acceleration methods. PR: I.E. 270.

477. Industrial Management Two hours

A survey of the operational, financial, marketing and accounting activities of industrial organization. A detailed survey of the duties of management as related to production, personnel, and human factors.

478. Production Controls Two hours

Current practices in production, planning, routing, scheduling and dispatching, study of production standards, labor efficiency and costs, quantity and quality control.

479. Power Plants Three hours

A study and analysis of stationary power plants and prime movers, steam generators, steam and gas turbines, and auxiliary equipment. PR: I.E. 371.

481. General Shop III Two hours

Designed to run concurrently with I.E. 381 to permit students to experience activities demonstrative of various methods of laboratory teaching. Considerable attention is given to an analysis of the organization and administration of a general shop. PR: I.E. 281.

482. **Cabinet Making I** Two hours

A continuation of I.E. 382. The projects will be made in conformity with the drawings and specifications developed in the previous course. Advanced work in the use of machine tools, techniques, and processes will be stressed. A high level of craftsmanship will be maintained. PR: I.E. 160, 382.

485. **School Shop Maintenance II** Two hours

A continuation of I.E. 385 with emphasis on industrial application.

491. **Woodworking III** Two hours

A continuation of I.E. 260 with emphasis on the use of advanced techniques in the design and construction of home furniture. Particular attention is given to the use of veneers, inlays, overlays, and other advanced methods of enhancing the finished appearance of projects. PR: I.E. 482.

492. **Work Study Seminar** Four hours

Concepts of the construction and analysis of graphs, charts, and tables. Practical use of handbooks and industrial literature. Discussion of codes of ethics, employment opportunities, letters of application, interviews, and employment references. Engineering and progress reports on work experience.

493. **Work Experience Laboratory** Eight hours

On-the-job work experience in a cooperating industry. CR: I.E. 492.

DEPARTMENT OF LANGUAGES AND LITERATURE

ENGLISH

102. **Written English** Three hours

Training in writing and speaking good English, including a short review of grammer, sentence structure, and punctuation; attention to the organization and development of thought, both in student compositions and in expository reading material; guidance in the use of reference books.

104. **Written English** Three hours

Emphasis on reading for implication and critical evaluation; further writing projects, including a research paper.

English 104 is prerequisite for English 108 and all English courses numbered 200 or above.

108. **Advanced Written English** Three hours

Practice in writing in which attention to rhetorical principles is a guiding emphasis. PR: English 104.

108-R Review of Written English No-credit

A review course required of all students who receive a "D" grade in English 108. Emphasis is on writing and rewriting under close supervision.

207. Children's Literature Three hours

A survey of literature desirable for children; development of principles of selection and standards of evaluation; wide acquaintance with current books.

251. Survey of English Literature Three hours

A study of the mind and temper of the English people as seen in their literature from Beowulf to the Romantic Movement.

252. Survey of English Literature Three hours

A continuation of English 251 through the nineteenth and early twentieth centuries.

261. Survey of American Literature Three hours

An historical study of the American mind as expressed in literature from Colonial times to Hawthorne.

262. Survey of American Literature Three hours

A continuation of English 261 to the literature of present time.

302. Narrative and Descriptive Writing Three hours

Practice in writing the simpler forms of fiction and personal narrative with descriptive detail.

306. Advanced Technical Composition Three hours

A course designed to provide practice in writing of expository articles and reports of a technical nature largely in the field of engineering.

311. Literature of the Romantic Period Three hours

A concentrated study of the works of such writers as Burns, Wordsworth, Coleridge, Byron, Shelley, and Keats.

312. Literature of the Victorian Period Three hours

A concentrated study of the works of such writers as Tennyson, Browning, Rossetti, Arnold, Swinburne, Mill, Ruskin, and Carlyle.

313. Shakespeare Two hours

A study of representative comedies.

314. Shakespeare Two hours

A study of representative tragedies.

318. **Modern Drama** Two hours

The history of the British drama and the study of modern dramas—Continental, British, and American—from Isben to the present time.

319. **General Semantics** Three hours

Study in that branch of linguistics concerned with the nature, structure, and meaning of words and with the role of language in human behavior.

321. **Study of the English Language** Three hours

Word history and analysis; diction; descriptive grammar and constructions; fundamentals of composition. Required of all prospective teachers of English to be taken before professional block. Sophomores must have permission of instructor.

322. **The Short Story** Two hours

A critical study of this art form as a representative of dramatic motivation in human experience, based upon the work of British, Continental, and American authors.

341. **Survey of World Literature** Three hours

A study in translation of some of the great writers of the world, exclusive of English and American; from Homer through Dante.

342. **Survey of World Literature** Three hours

A continuation of 341 covering the period from the Renaissance to modern times.

343. **The Current Scene in Literature** Three hours

A course showing present-day attitudes as reflected in the work of American and foreign writers.

345. **The Novel** Three hours

An historical and critical study of great British and American novels of the nineteenth and twentieth centuries.

348. **The Bible as Literature** Three hours

A study of the literary types and content of the Bible.

353. **Eighteenth Century Literature** Three hours

A study of important British writers of the period, particularly Swift, Pope, Addison, and Johnson.

360. **Major American Poets** Two hours

A study of leading American poets, particularly Poe, Emerson, Whitman, Dickinson, Frost, Pound, and Eliot.

371. **Folk Literature** Three hours

A survey course whose chief emphasis is on the study of ballads, but kindred material is also studied and collected—superstitions, hymns, riddles, stories, and songs.

413. **Expository Writing** Three hours

Study and practice of the various kinds of expository writing with special emphasis upon the skilled production of research papers.

420. **Seventeenth Century Literature** Three hours

A study of important British writers of the period, including Donne and Herrick, and emphasizing Milton.

431. **Methods of Teaching English** Two hours

Study and practice in the techniques of teaching the fundamentals of grammar and mechanics, composition, and the varied types of literature. Required of all students with a first field in English, and taken during the teaching block in the senior year.

FRENCH

101. **Elementary French** Three hours

Pronunciation, oral comprehension and speaking, reading and written drill and composition, elements of grammar. Laboratory. No credit is given for French 101 without 102.

102. **Elementary French** Three hours

Continuation of 101 completing the basic grammatical principles. One year of high school French is also considered as a satisfactory prerequisite for this course.

201. **Second Year French** Three hours

Reading of excerpts of many types of French writing, drill on difficult passages, verbs, etc. and conversation and comprehension stressed. Laboratory, PR: 101, 102 or two years of high school French.

202. **Second Year French** Three hours

Continuation of French 201. Comprehension, speaking, reading and writing. PR: 201. Lab used.

210. **Masterpieces of French Literature** Three hours

A course emphasizing reading and aural comprehension of a wide range of French poetry, fiction, and drama. May be substituted for French 201 or French 202, with permission of instructor. PR: 9 hours French, or permission of instructor.

301. **Literature of the Seventeenth Century** Three hours

Reading of the plays of Corneille, Racine, Moliere with outside reports from other classical writers. Comprehension, speaking, reading and writing all stressed. PR: Two years of college French or equivalent. Lab used.

302. **Literature of Eighteenth Century** Three hours

Authors of the Enlightment such as Voltaire, Rousseau, Montesquieu, including all types of literature. Comprehension, speaking, reading and writing stressed. PR: Same as for 301. Lab used.

308. **French Conversation** Three hours

Intensive drill in expressions of common usage in the most frequent situations to be encountered by a student. An attempt to develop fluency in speaking and better comprehension of a variety of subjects. PR: French 202. Lab.

309. **Advanced Grammar and Composition** Three hours

Intensive review of basic grammar and study of more obscure grammatical principles developed through the oral-aural method. PR: French 202. Lab.

321. **Contemporary Literature** Three hours

This is 20th century literature stressing outstanding writers such as Camus, Mauriac, Maurois, St. Exupery, Gide, etc. Comprehension and speaking stressed. PR: French 202.

400. **Seminar** Three hours

This course is designed to be given the semester preceding the semester when the block is taken. It is an independent study course, preparing each student individually for his teaching. The weaknesses of the student are noted and that phase of his learning is stressed, whether speaking, comprehension, areas of reading he has missed, or writing.

421. **Nineteenth Century Literature to 1850** Three hours

The emphasis in this course is on Romanticism with reading from Chateaubriand, Hugo, Lamartime, De Musset, De Vigny. Excerpts from mid-century writers also are read such as Stendhol, Balzac, Merimee, etc. Comprehension, speaking also stressed in this course.

422. **Nineteenth Century Literature Since 1850** Three hours

The emphasis in this course is on Realism, Naturalism, Symbolism with Flaubert, Zola, De Maupassant, etc. and a number of poets of the symbolist movement read and discussed. Comprehension and speaking French stressed.

430. **French Civilization and Culture** Three hours

This is a broad study of French civilization from its very beginning to the present, dealing with the outstanding periods historically and culturally and the contributions of French to the world of culture. Comprehension, speaking, reading and writing stressed in that order. PR: 12 hours French.

431. Methods of Teaching French Two hours

Study and practice in teaching French language and literature, grades 7-12. Required of those with a first teaching field in French.

GERMAN

101. First Year German Three hours

The elements of German grammar; simple reading exercises, pronunciation; written assignments. No credit for German 101 without 102.

102. First Year German Three hours

A continuation of the above course; special topics in grammar and greater emphasis on reading. PR: 101 or one unit of high school German.

201. Intermediate German Three hours

Grammar review; composition; conversation; reading of fiction. The principal aim of the course is the reading of narrative of moderate difficulty. PR: German 102 or equivalent.

202. Intermediate German Three hours

This course continues the work of German 201. PR: German 201 or equivalent.

210. Masterpieces of German Literature Three hours

A course emphasizing reading and aural comprehension of a wide range of German poetry, fiction, and drama. May be substituted for German 201 or German 202, with permission of the instructor. Laboratory used. PR: 9 hours German, or permission of instructor.

301. The German Novelle Three hours

A study of the German Novelle as a literary form of the nineteenth and twentieth centuries, with attention also being given to the German cultural and social environment. Continued work in composition and conversation. PR: 12 hours, or permission of instructor.

302. German Drama and Lyric Poetry Three hours

A study of selected German plays and lyric poems, with emphasis on the work of Goethe and Schiller. Continued work in composition and conversation, and aural comprehension. PR: 12 hours, or permission of instructor.

303. Special Topics Three hours

A course of indvidual study under supervision in a topic and skill of special importance to the student, such as the reading of literary or scientific material, aural comprehension, or pronunciation. Laboratory work may be included. PR: 9 hours, or permission of instructor.

SPANISH

101. **Elementary Spanish** Three hours

Grammar, pronounciation, composition, translation. No credit toward graduation is given for Spanish 101 without 102. Lab.

102. **Elementary Spanish** Three hours

PR: Spanish 101 or one year of high school Spanish. Lab.

201. **Modern Spanish** Three hours

Rapid reading, grammar and conversation. PR: Spanish 101 and 102 or two years of high school Spanish. Lab.

202. **Modern Spanish** Three hours

PR: Spanish 201. Lab.

DEPARTMENT OF MATHEMATICS

109. **Elementary Geometry** Three hours

An integrated first course of geometry for students who do not have the equivalent course in high school. This course cannot be used as mathematics credit toward certification for teaching mathematics. PR: One unit of high school algebra.

110. **Basic Mathematics** Three hours

An introduction to mathematical concepts underlying the traditional computational techniques. This course cannot be used as mathematics credit toward certification for teaching mathematics.

111. **Intermediate Algebra** Three hours

A course for students deficient in high school algebra. This course cannot be used as mathematics credit toward certification for teaching mathematics. PR: One unit of high school algebra.

112. **Intermediate Mathematics I** Three hours

An introductory course of integrated algebra, trigonometry, and related topics, for students who have not had an equivalent course in high school. PR: Math 109 and 111, or equivalent. This course cannot be used as mathematics credit toward certification for teaching mathematics.

115. **Intermediate Mathematics II** Four hours

An integrated course of the material traditionally offered in College Algebra and Trigonometry, and related topics. For students who have not completed an equivalent course in high school. PR: Math 112 or equivalent.

116. **Calculus I** Four hours

Integrated analytic geometry and calculus. PR: Math 115 or equivalent.

200. **Mathematical Logic** Three hours

Sentential and general theory of inference, theory of proof and definition, elementary intuitive set theory. PR: Math 115 and consent.

201. **Mathematical Logic** Three hours

A continuation of Math 200. PR: Math 200.

210. **Mathematics for Elementary Teachers** Three hours

This course is designed to meet the mathematics requirement for the certification of elementary school teachers. The course is devoted to the structure of the real number system and its sub-systems, as related to the teaching of mathematics in the elementary school. PR: 110 or equivalent.

215. **Calculus II** Four hours

A continuation of Math 116. PR: 116.

216. **Calculus III** Four hours

A continuation of Math 215. PR: 215.

335. **Probability and Statistics** Three hours

PR: Math 215 or consent.

336. **Probability and Statistics** Three hours

PR: Math 335.

342. **Numerical Analysis** Three hours

PR: Math 216 or consent.

361. **Abstract Algebra** Three hours

PR: Math 216 or consent.

362. **Linear Algebra** Three hours

PR: Math 216 or consent.

372. **Modern Geometry** Three hours

PR: Math 216 or consent.

391. **Introduction to Analysis** Three hours

PR: Math 216.

393. **Introduction to Foundations of Mathematics** Three hours

PR: 216 and consent.

401. **Differential Equations** Three hours

PR: Math 216.

411. **Advanced Calculus** Three hours

PR: Math 216 and consent.

431. **Special Methods for Teacher Education** Two hours

PR: Consent.

DEPARTMENT OF SCIENCE

BIOLOGY

101. **Introduction to Biology** Three hours

This course and the one following constitute a year's study of the biological principles governing living things with particular emphasis on their human implications. The approach of this course was designed especially for teachers in elementary and secondary schools by a state committee of college teachers of biology.

102. **Introduction to Biology** Three hours

Continuation of 101.

201. **General Botany** Four hours

Two lectures and two-hour laboratories each week. The first part of the semester is given to the study of the structures and functioning of the seed plant. The second part includes a survey of both lower and higher forms of plants with emphasis on reproductive structures. Basic to all other botany courses.

220. **Invertebrate Zoology** Four hours

Facts and principles fundamental to an understanding of the invertebrate animals. This course is designed for majors in zoology or biology and premedical students.

221. **Vertebrate Zoology** Four hours

A continuation of 220.

224. **Microbiology** Three hours

Two lectures and one two-hour laboratory each week. The techniques of isolating and identifying bacteria are considered. Attention is given to the several types of disease-producing microorganisms and methods of control. This is a general course designed to give the student an understanding of the importance of microorganisms in the life of man.

242. **Bio-Ecology** Three hours

This course constitutes a study of the relationship of organisms to their environment. The edaphic, climatic, and biotic factors are given consideration. Human ecology and conservation are presented where pertinent.

284. **Bio-Photography** Two hours

A course designed to familiarize students with the fundamentals of photography and its many applications in the field of biology. Some attention is given to photomicrography. Open to students that have an interest in both photography and biology.

315. **Field Zoology** Three hours

Primarily for those who teach or intend to teach biology. This course aims to familiarize students with the animal life of the State in its natural surroundings and includes the collection, identification, and study of habits of the various forms found in this region. PR: Biol. 101-102, or equivalent.

322. **Ornithology** Two hours

Field and laboratory studies on the structure, identification, migration, protection, nesting, and food habits of birds.

330. **Field Botany** Three hours

One lecture and two two-hour laboratories each week. Designed primarily for those students that plan to teach. The various groups of plants are considered in the field and laboratory with emphasis on the seed plants. Some attention is given to ecology.

340. **The Plant Kingdom** Three hours

Two lectures and one two-hour laboratory each week. This course deals with the structural characteristics of the great plant groups through the Bryophytes. Their organization, development, and reproductive structures are considered in detail. Teaching materials are compiled, techniques developed, and there are field trips on occasion. PR: Biol. 201.

341. **The Plant Kingdom** Three hours

Two lectures and one two-hour laboratory each week. Continuation of the Plant Kingdom, 340, but may be taken as an independent unit. This course covers the vascular plants including the ferns, gymnosperms, and angiosperms. PR: Biol. 201.

342. **Mycology** Three hours

This course constitutes a study of the development, morphology and taxonomy of the fungi and to familiarize the student with their relations to human affairs. Two lecture and one two-hour laboratory weekly. PR: Biol. 101, 102.

343. **Plant Pathology** Three hours

This course constitutes a study of the casual agents of plant diseases and their morphological and physiological effects upon the host. Consideration is also given to the control measures involved. Two lectures and one two-hour laboratory weekly. PR: Biol. 342 and 330 or consent of instructor.

350. **Comparative Anatomy of Vertebrates** Four hours

PR: Biol. 101, 102 or equivalent.

371. **Plant Anatomy** Three hours

Two lectures and one two-hour laboratory each week. Attention is given to the fundamental tissue organization of the higher plants. Development and differentiation of cell types and structures are considered as they relate to the functioning of the organism as a whole. PR: Botany 201.

380. **Introduction to Genetics** Three hours

Elementary studies of the principles of heredity. PR: Biol. 101, 102 or equivalent.

390. **The Biology of Endocrines** Three hours

A study of the structure and function of the endocrine glands of animals and man, their products and interactions. A survey of natural and synthetic plant hormones is also included.

410. **Histological Technique** One-Four hours

The preparation and miscroscopic study of animal tissue. PR: Biol. 221 or 350.

411. **Histology** Two hours

An introduction to the cells, tissues, and organs of mammals. PR: Biol. 221 or 350.

415. **Problems in Biological Sciences** One-Four hours

This course is designed for students who have interest in a specific problem in biology. It should not be used as a means of meeting requirements but rather as a research course that goes beyond the usual courses in developing the student.

420. **Vertebrate Embryology** Four hours

Introductory study of the developments of the vertebrates, dealing chiefly with the frog, chick, and mammal. PR: Biol. 101, 102 or equivalent.

425. **Neurobiology** Two hours

An introduction to the structures and functions of the mammalina nervous system. PR: Biol. 350 or 450.

450. **Human Physiology** Four hours

An introductory course dealing with the functions of man.

451. **Plant Physiology** Three hours

Two lectures and one two-hour laboratory each week. All of the physiological processes of plants are considered; ascent of sap, transpiration, food synthesis, respiration, translocation, and growth and development. PR: Biology 201.

460. **Biological Colloquim** One hour

Open only to majors in the biological sciences.

480. **Principles of Evolution** Two hours

An introduction to the study of evolution. PR: Biol. 101, 102, or equivalent.

CHEMISTRY

101. **General Chemistry** Four hours

The beginning course in college chemistry; has no prerequisites. Offered only in the fall semester and first term of the summer session.

102. **General Chemistry** Four hours

The second half of the first year of beginning college chemistry. Offered only in the spring semester and the second term of the summer session. PR: Chem. 101.

201. **Qualitative Analysis** Four hours

Required of all students who major in chemistry. PR: Chem. 102.

202. **Quantitative Analysis** Four hours

This course will combine manual methods of volumetric and gravimetric analysis. One hour lecture and eight hours laboratory per week.

301. **Organic Chemistry** Four hours

A study of organic chemistry based on structural theory and emphasizing acidity and basicity, reaction mechanisms, sterochemical relationships, and correlation of structures with chemical and physical properties. Includes both alipatic and anomatic compounds. PR: Chem. 102.

302. **Organic Chemistry** Four hours

Continuation of Chem. 301. PR: Chem. 301.

305. **Structural Inorganic Chemistry** Four hours

This course is a study of inorganic chemistry based on modern atomic and molecular theory and the periodic relationship of the elements. It will consist of three lectures per week with one three-hour laboratory. Required of chemistry majors and recommended for students obtaining a teaching field in chemistry. PR or CR: Chem. 202, 301.

350. **Instrumental Analysis** Four hours

Theory of and practical experience in modern instrumental methods of analysis and structure determination. Includes spectroscopic, chromatographic, electro-analytical, and radiochemical methods and an introduction to instrument design. PR: Chem. 302, Math. 215, and Physics 102.

401. **Special Problems** Two hours

Independent study and research. PR: Consent of instructor.

402. **Special Problems** Two hours

Independent study and research. PR: Consent of instructor.

405. **Physical Chemistry** Four hours

A study of chemical thermodynamics, kinetics, phase equilibria, and electrochemical phenomena. PR: Chem. 310, Physics 102, and Math. 215.

406. **Physical Chemistry** Four hours

A semirigorous study of quantum theory, molecular structure, and macromolecular chemistry. PR: Chem. 341 and Math. 216.

PHYSICS

101. **Introduction to Physics** Four hours

A course designed for predental, premedical, and teaching curricula. A two-hour laboratory period each week supplements the three lecture-recitation periods. Elementary principles of mechanics, sound, and heat are studied in this course.

102. **Introduction to Physics** Four hours

A continuation of 101; includes a study of magnetism, electricity, light and atomic structure.

201. **Demonstrations in Physics** Two-Three hours

Effective use of everyday materials to illustrate physical phenomena, experience with a variety of lecture equipment, and practice in planning and executing demonstrations describe the nature of this course. It is designed to serve teachers in both the elementary and secondary schools. PR: Consent of the instructor is sufficient, but a course in one of the physical sciences is highly recommended.

202. **Astronomy** Three hours

A study of motion and physical features of planets, comets, and satellites; the solar system; the earth and its satellites; stars and stellar atmosphere; and space travel.

261. **Modern Physics for Teachers** Three hours

A review of current developments in modern physics. The emphasis is on content and import, rather than a rigorous mathematical approach.

262. **Modern Physics for Teachers** Three hours

A continuation of Physics 261.

310. **Electricity and Electronics** Four hours

This course includes static electricity, direct and alternating current theory and means of transforming electrical power. The theory of the vacuum tube and electronics is introduced. Four hours laboratory and two hours lecture each week is required.

320. **Mechanics (Alternates annually with 420)** Three hours

A course in mechanics applied to the study of particles and objects in space with the general principles of astronomy and the information of rotating system in the universe. General theories of the universe and experimental facts will be presented in an elementary manner. PR: Math 215.

321. **Mechanics (Alternates annually with 421)** Three hours

A continuation of 320.

340. **Special Problems** Two-Three hours

Individual studies by advanced students of problems of special interest in the field of physics. PR: Physics 101, 102, Math 215.

420. **Introduction to Atomic Physics (Alternates annually with 320)** Three hours

This course deals with the study of charged particles, ionization, and conduction of electricity through gases, electromagnetic radiation, and the theory of atomic structure.

421: **Introduction to Atomic Physics (Alternates annually with 321)**

A continuation of 420. Three hours

PHYSICAL SCIENCE

The two courses in General Physical Science are organized to provide students a survey of the field of the physical sciences. These courses should not be scheduled by students who plan to include physics and/or chemistry in their programs.

201. **General Physical Science** Three hours

A survey of the subjects of mechanics, heat, sound, light and electricity. No credit is allowed if credit in physics or chemistry is earned.

202. **General Physical Science** Three hours

A survey of the elements of chemistry, geology, and astronomy. No credit is allowed if credit in physics or chemistry is earned.

412. **Science in the Elementary School** Three hours

This course is designed as "a study of modern practices and techniques in the teaching of science. Students are to be guided in developing instructional units in such areas as the earth and its atmosphere, conservation, living things (plants and animals), energy changes (machines, light, sound, electricity, and magnetism) and outer space." PR: Biol. 101, 102 and 6-8 hours in the physical sciences.

431. **Methods and Materials for teaching Science.** Two hours

GEOLOGY

201. **Physical Geology** Three hours

This course is given to a description of the composition and structure of the earth and the physical processes bringing about changes of the surface of the earth.

302. **Historical Geology** Three hours

The geologic history of the earth and the evolution of animal and plant life as revealed by the rocks.

HOME ECONOMICS

101. **Principles of Clothing Construction** Two hours

Basic construction processes used in simple garments for school and street wear. Problems are adapted to previous experience.

102. **Advanced Clothing Construction** Three hours

The use of detailed and tailored finishes and problems of fitting and management in the construction of suits and varied types of clothing.

103. **Principles of Clothing Selection** Two hours

An analysis of the factors which influence the selection of clothing for both the family and the individual.

110. **Elementary Nutrition** Two hours

A study of the principles of nutrition and their application to the needs of nursing students.

201. **Principles of Food Selection and Preparation** Three hours

Application of recent theories of food preparation and preservation as they affect the nutritive value, flavor, and appearance of food. Foods prepared are incorporated into family meals.

202. **Advanced Foods** Three hours

Continuation of Home Economics 201; meal services with emphasis on planning, preparing and serving family meals, that will teach management of time, energy, and money.

210. **Textiles** Three hours

Development of an understanding of the effect of fiber content, construction, and finish on the quality, serviceability, care, and cost of clothing and household fabrics.

303. **Nutrition** Three hours

A study of the essentials of an adequate diet and its function in the body, as a basis for planning student and family diets. PR: 201 or 202. Open to all non-majors by consent of instructor.

305. **Nutrition in the Public Schools** Three hours

Essential nutrition information for the teacher in the public school federal school lunch programs as an integral part of the school program.

310. **Family Life Education** Three hours

Study of family experiences and cultural environment influencing personality development. Interaction of family members through all phases of family living. Evolution of the family from institution to companionship family.

312. **Consumer Education** Three hours

A study of the selection of consumable goods and the factors affecting the selection such as labeling, advertising, credit, insurance, and contracts; source material provides consumer information; the consumer movement and legislation for consumers.

315. **Home Management** Three hours

A study of the process of management as it affects the family members, their resources and their goals.

316. **Household Equipment** Two hours

A study of the principles of the selection, use and care of household equipment.

320. **Home Planning and Furnishing** Four hours

Designed to help the family analyze its needs and use its resources advantageously in the selection of housing. Development of discrimination in the selection and arrangement of furnishings.

330. **Child Care and Development** Three hours

The training of the child from pre-natal period through the preschool period. Habit training and development of the child—physical, social, emotional, and spiritual training—are included.

351. **Home Arts** Three hours

The use of color, texture, design in selecting, arranging and constructing articles for the home through the techniques of weaving, stitchery, textile printing, etc.

402. **Tailoring** Three hours

The construction of a dress, suit, and accessories with emphasis on selection of fabric, fitting, and tailored details. Designed for evening students. Consult instructor for prerequisites.

431. **Home Economics Techniques** Two hours

Required for teachers. The philosophy and goals of home economics, organization of teaching materials for the five areas, selection of furnishings, and management of the department.

DEPARTMENT OF SPEECH AND DRAMATICS

101. **Fundamentals of Speech** Three hours

This course includes the elementary phases of oral language training. Analysis of contemporary speeches, listening skills, short speeches, enunciation, and pronunciation.

105. **Voice and Diction** Three hours

Theory and practice of speech science to provide basic information prerequisite to further speech study and to improve the skills of the speaking voice. Required of speech majors, minors; open to music students.

107. **Speech Improvement** Two hours

Designed for students who wish to improve the quality of their speaking voices. Training in pronounciation, enunciation, and voice production in order to develop standard speech. Therapy for major speech defects is not administered. May not be substituted for Speech 105.

120. **Theatre Appreciation** Two hours

Study of drama as it occurs on stage, in movies, and in radio and television in order to form a critical appreciation of its purposes and effects.

151. **Play Production** Two hours

Play production methods for the educational theatre. Theory and practical experience in the mounting of plays for public performance. Required of all speech majors and minors.

152. **Theatre Workshop I, IV** Variable Credit

Directed, practical experience in production of plays for public performance. Scenery design and construction, lighting, properties, costuming, etc. PR: Speech 151 or permission of instructor.

210. **Advanced Spoken English** Three hours

Development of ability to communicate in clear, effective, correct English; with emphasis on preparation and delivery of representative types of speech. Special attention given to speech problems of teachers and their students. PR: English 102-104. Required of all A.B. in Education students.

221. Oral Interpretation Two hours

A study of the principles involved in the effective transmission of thoughts from the printed page to an audience. Required of all speech majors and minors.

222. Advanced Oral Interpretation Two hours

A study of special problems of interpretation in the areas of dramatic literature, prose, and poetry.

237. Effective Speaking Two hours

Designed to give advanced speech students training in preparation and presentation of persuasive speeches. Required of all speech majors and minors.

243. Debate Two hours

Theory and practice of argumentation and debate. Required of all speech majors and minors.

244. Intercollegiate Debate Variable credit

Training for and participation in individual debates with teams from other colleges and universities and tournament debating throughout the Eastern United States.

245. Oratory Variable credit

Study of origin, historical influences, and changing aims of oratory. Practice in development of memorized speeches for competition. Required of all speech majors and minors.

251. Acting Two hours

Theories and methods of acting for the stage. Practical acting experience in student and faculty directed scenes and one-acts. Required of A.B. in Education Speech majors.

252. Acting Workshop Variable credit

Practical experience acting in school productions.

301. Make-up One hour

Fundamentals of theory and technique of applying theatrical make-up, including laboratory and practical experience.

301L. Advanced Make-up One hour

Application of theatrical make-up for public performances.

321. Summer Theatre: Rehearsal and Performance One-Three hours

Systematic rehearsal and public performance with the Masquers Town and Gown Summer Theatre. Designed for students who desire stage training and experience.

322. **Summer Theatre: Production and Management** One-Three hours

Experience in every phase of theatrical production and some phases of theatre management. Experience includes set designing and constructing, lighting, costuming, make-up, box office, house managing, and publicity.

330. **Fundamentals of Radio and Television** Two hours

A familiarization course in modern studio practice, use of broadcasting and recording equipment, and preparation of programs, with some work in radio and televsion speech and announcing. Required of all speech majors and minors.

331. **Children's Drama** Two hours

The theory and observation of the arts of creative drama for children and children's theatre.

331L. **Children's Drama Laboratory** One hour

Practical experience in the arts of creative drama for children and children's theatre. PR: Speech 331 or permission of instructor.

334. **Radio and Television Production** Two hours

Production of and participation in actual broadcasts. A study of the techniques used in programming, directing, continuity writing, and music and sound effects. PR: 2 hours of speech or permission of instructor.

334L. **Radio and Television Production Laboratory** One hour

Continuation of Speech 334 with extensive studio practice.

336. **Play Directing** Two hours

Principles and techniques of play directing. Special attention given to directing problems in educational theatre; play selection, budgeting, casting, mounting and staging, public relations, and coordination of crafts. Required of all speech majors and minors. PR: Speech 151 or permission of instructor.

336L. **Play Directing Laboratory** One hour

Direction and public presentation of a one-act play. Required of all speech majors and minors. PR: Speech 336.

401. **Extemporaneous Speaking** Variable credit

Study of origin, aim and development of extemporaneous speeches. Preparation for competition. PR: Speech 101 or permission of instructor.

430. **Speech Correction** Three hours

An introduction to the field of speech therapy. Emphasis placed on identification of all speech defects, their diagnoses, and preventive and remedial techniques. Required of all speech majors and minors.

431. **Methods of Teaching Speech** Two hours

Philosophy, methods and materials of teaching speech in the secondary schools.

440. **Speech and Dramatics Seminar** One hour

Directed study in any of the five fields of speech: public address, speech correction, interpretation, theatre, or radio-television. Designed for Junior and Senior speech majors and minors.PR: Permission of instructor.

JOURNALISM

240. **Reporting I** Three hours

Fundamentals of reporting; gathering, evaluating, and writing news; emphasis on general reporting and writing for specialized fields. Valuable as a vocational try-out and for making the student a better newspaper consumer. Teachers who will be sponsoring student publications should have this basic course or equivalent. Open to second semester freshmen and above.

260. **News Photography** Two hours

Required in journalism area or news-editorial and public relations. One lecture hour and one demonstration hour and two hour lab. Students learn to use basic camera and equipment, and learn to develop prints and enlarge. No laboratory fee charged to the course but each student will be required to purchase a photography kit containing film and photographic equipment. Chemicals will be provided by the department.

270. **Communications in Society** (Mass Communication) Two hours

A course which reflects the current and important interests in public opinion and propaganda; the influence of old and new forms of communication on the social order; why and how people react to advertising, news, publicity, propaganda, and public relations efforts.

271. **The Newspaper and Society** Three hours

A study of the development of the newspaper's growth from an organ of a political party to the social instrument of today; present practices and principles of the press; the evolving code of ethics and influence of the newspaper; its competition with radio, television and facsimile.

280. **History of American Journalism** Three hours

Required area for journalism students. This is a study of the American press and its influence upon the nation; the development of todays communication media from the 17th century; an examination of the outstanding names in journalism; freedom of the press and its present day implications.

312. **Publication Problems** (High School Publication) Three hours

A practical course for teachers who may supervise a school newspaper, yearbook, or handbook; for those who may work on a company newspaper or house organ or in an advertising department; helpful to anyone charged with producing a publication. Problems of staff organization, training, finance, format, type, headlines, etc. will be covered.

320. **Principles of Advertising** Three hours

A survey course of the social, psychological, and some technical aspects of advertising. For business and journalism students.

330. **Advanced Reporting** (Reporting II) Three hours

A grade of "C" or higher in Journalism 240. Advanced study of editing techniques with Columns and the daily newspaper editing rooms as laboratories. Actual writing and editing direct publications. May be used as elective in journalism.

340. **Journalism Practice** Two hours

An arranged course providing practical experience on the college newspaper, yearbook, local daily newspaper, radio station, plus guided reading in the student's field of major interest; for example, writing for radio, newscasting, magazine article writing, newspaper business management, circulation promotion, public relations, advertising. PR: Journalism 240 or consent of instructor.

341. **Journalism Practice** Two hours

Continuation of Journalism 340.

343. **Copy Editing and Make-Up** Three hours

Required of Journalism students. Combination of lecture and laboratory demonstrations. The editing of news copy, headline writing, study of type faces and page make-up for all types of newspapers and magazines.

LIBRARY SCIENCE

200. **Reference and Bibliography** Three hours

A study of basic reference books, especially those useful in school libraries. Problems in evaluating and using reference books and bibliography making.

210. **Library Materials** Three hours

Selection of books and other materials for elementary and secondary school libraries.

302. **Cataloging and Classification** Three hours

An introduction to principles of cataloging and classifying many types of books used in school libraries. PR: 200.

304. **Organization and Administration** Three hours

A study of organization and administration of the school library and its place in carrying out the objectives of the school program.

400. **Library Practice** Three hours

Individual work based on students previous experience and related to student teaching when possible. PR: 200, 210, 302, 304.

PHILOSOPHY

200. **Introduction to Philosophy** Three hours

A survey of the principal problems arising out of man's attempts to organize his experience and direct his existence.

300. **Logic** Three hours

An analysis and exposition of the requirements for justifiable deductive and inductive reasoning. The principles of rational argumentation and inference in scientific methods are emphasized.

325. **Ethics** Three hours

An historical study of the basis of judging human actions right and wrong, good and bad. The main classical positions are evaluated and the impact of contemporary knowledge upon the central problems of ethics will be discussed.

350. **Comparative Religion** Three hours

Description and analysis of the philosophical systems underlying the major non-Christian religions. Attention will be focused upon the historical and psychological development of religious beliefs.

DEPARTMENT OF NURSING

100. **Medical Science in Nursing** Two hours

Emphasis on anatomy and physiology related to clinical practice.

101. **Fundamentals of Nursing** Five hours

The study of nursing care common to all patients and the scientific principles underlying that care. Topics include: factors affecting health; nurses' role in relation to patients care; the use of problem-solving methods in planning care; development of basic interpersonnel and technical skills. (4 hrs. lec., 4 hrs. lab.)

102. **Maternal and Child Health Nursing** Eight hours

Family-centered approach to the care of the mother and child. Emphasis is on the normal maternity cycle, growth and development and the community agencies available for care to infants and children. Deviations from health is limited to conditions found only in the general area of maternity and in the pre-adolescent age group.

201. **Medical-Surgical Nursing I** Eight hours

Study of the major health problems that affect all age groups. Emphasis is on the commonality of problems as they relate to nursing.

202. **Medical-Surgical Nursing II** Eight hours

Continuation of Medical-Surgical I.

203. **Psychiatric Nursing** Six hours

Concerned primarily with the area of functional disorders with major emphasis on interpersonal relationships, group relationships, the impact of hospital cultural patterns on patient therapy, newer methods of treatment and the community aspects of the mental health problems. (Off campus summer session)

204. **Trends in Nursing** Three hours

Concerned with the development of nursing as a profession and the rights and responsibilities of practioners within the profession.

CAMPUS ACTIVITIES

STUDENT GOVERNMENT ORGANIZATIONS

The Student Government Organization is composed of all students regularly enrolled in Fairmont State College. All of its officers are students and all business is conducted by them. Through this organization student programs and many other activities are undertaken. A student activity fee is collected from all students. This fee covers the cost of student activities and entitles the student to attend all athletic contests, major dramatic productions, and other special programs.

STUDENT COUNCIL

The Student Council is the executive board of the student government organization. It consists of five student body officers, all class presidents and vice presidents, one member elected by the interfraternity-panhellenic council, one member elected by the honorary and professional organizations, one member elected by the non-fraternity group, and one faculty representative appointed by the president of Fairmont State College.

One of the principal assignments of the Student Council is to meet annually to determine the allocation of the student activity funds among the various campus activities and organizations. The budgets prepared are then published so that all students may know for what purposes their fees are being used.

STUDENT AND FACULTY SOCIAL CABINET

The Student-Faculty Social Cabinet is composed of representatives of students and faculty under the chairmanship of the vice president of the Student Council. The campus social program for the school year is arranged through this cabinet.

INTERFRATERNITY-PANHELLENIC COUNCIL

The Interfraternity-Panhellenic Council is an organization of all Greek letter social organizations. It governs the joint activities of the social fraternities and sororities.

CLASS ORGANIZATIONS

Each academic class has assigned activities and operates through its officers and the student government.

CLUBS AND HONOR SOCIETIES

Fairmont State College students have organized a number of clubs and honorary organizations for the promotion of interest in various subject matter fields, for the recognition of outstanding achievement in various campus activities, and for general social purposes. A list of the currently active organizations of this character follows:

Clubs

Academy of Science
Future Teachers of America
Fu-Se-Fa (Secretarial)
Home Economics Club
Independents
Industrial Arts Club
Inter-Varsity Christian Fellowship
Letterman's Club
Masquers (Drama)
Music Educators National Conference
Newman Club
Phi Epsilon Chi (Women's P.E. Club)
Pi Kappa Phi (Language)
Roger Williams Fellowship
Student National State Education Association
United Campus Christian Fellowship
Wesley Foundation
Young Democrats
Young Republicans

Honorary and Recognition Societies

Alpha Alpha Alpha—Business
Alpha Phi Gamma—Journalism
Alpha Psi Omega—Dramatics
Beta Beta Beta—Biology
Blazers—Senior Women's Honorary
Die Wissenschaften—Scholarship
Epsilon Pi Tau—Industrial Arts Honorary
Kappa Delta Pi—Education
Kappa Gamma—Forensics
Alpha Lambda Sigma—Athletics
Lambda Delta Lambda—Physical Science
Pi Alpha Phi—Language
Pyramid Society—Men's Honorary
Sigma Tau Delta—English Honorary

SOCIAL ORGANIZATIONS

Fairmont State College students have organized and maintained a number of social fraternities and sororities. These organizations provide a medium for social activities and social training. They are regulated by the Men's and Women's Panhellenic Associations, which strive toward high standards of scholarship and leadership among the group and toward developing a good college spirit. These organizations are listed below:

Fraternities

Theta Xi (National)
Sigma Pi (National)
Sigma Tau Gamma (National)
Tau Beta Iota
Tau Kappa Epsilon (National)

Sororities

Alpha Xi Delta (National)
Delta Zeta (National)
Phi Mu (National)
Sigma Kappa (National)
Sigma Sigma Sigma (National)

RELIGIOUS INTERESTS

Fairmont State College maintains a close relationship with the religious organizations of the city. During Freshman Orientation ministers of local churches of all faiths are presented. Announcements of services and special programs are posted on a bulletin board in the administration building.

Organized groups on campus are The Baptist Student Movement, The Newman Club for Roman Catholics, The Inter-Varsity Christian Fellowship, a non-denominational group, and The Wesley Foundation sponsored by the Methodist Church.

Services of ministers in any capacity are available to the campus at all times.

PUBLICATIONS

The Columns is the student newspaper published semi-monthly throughout the regular college year with the exception of examination and vacation periods. The Publications Board, representing students and faculty, approves the selection of staff members from a list presented to the Board by the faculty adviser. Consideration is given to those students who have done acceptable work in Journalism or who have had practical experience on publications. **The Columns** is named for the eight stately columns at the front of the Administration Building. It is financed by student fees and advertising.

The Mound is published annually by the students. The administrative officers of the staff are approved by the Publication Board from a list presented to the Board by the faculty adviser. All phases of college life are depicted in the annual, largely by pictures. It was named from an historic spot on a former campus. It is financed by student fees and advertising.

Appalachian Sketchbook is the campus literary publication, a magazine published each spring which includes student poetry, essays, and short stories. Editors are chosen by the English honorary and financing is by student fees.

The Student Handbook is compiled annually under the direction of the Student Council. It contains valuable information about Fairmont State College and its varied student activities. It is of real service to new students.

View books and other promotion magazines are published at intervals by the college.

Bulletins, both daily and weekly, are posted on the bulletin boards prominently located in each building. These bulletins carry announcements of all student and faculty activities. Material for these should be left in Room 233A by noon Thursday. Bulletins are posted Friday morning for the following week. Students and faculty members should consult the Bulletin Boards daily for important announcements.

MUSIC ORGANIZATIONS

The Fairmont State College Band is a uniformed band of approximately 70 members. This organization is open to both men and women. Tryouts are held at various times throughout the year.

The musical organizations of Fairmont State College—the Chorus and the Collegiates—provide many opportunities for students interested in group singing. These groups present programs at the College assemblies, in neighboring communities, and on the radio. They also give annual public concerts. The Chorus is open to all students, but the "Collegiates" are composed of selected members of the College Chorus. Operas are produced annually.

Students may participate in college ensemble programs by successful try-out.

ORATORY

A stimulating and vital program in public speakng and oratory is encouraged both on a curricular and extra-curricular basis at Fairmont State College. Students make frequent appearances before churches and clubs, and speak on radio programs. An annual competition is held for the M. M. Neely Prize. (See contests.)

INTERCOLLEGIATE DEBATING—THE DEBATE CLUB

Fairmont State College provides a very active program in debating. The Debate Club gives interested students training and experience in the art of debating and several teams are organized each year to meet the teams of other colleges and universities of the United States and Canada. Fairmont teams annually participate in at least five major debate tournaments, several contract debates at home and away, and attend the West Virginia Intercollegiate Speech Festival at Jackson's Mill. Participation in debate is open to all students.

DRAMA

Fairmont's drama department has received national recognition, for here was organized in 1925 the national honorary drama fraternity Alpha Psi Omega. Also Delta Psi Omega, junior college drama honorary, and the Thespians, high school drama society, had their inception at Fairmont State College.

Each year the Masquers, the student drama organization, offers a full season of theatrical productions of varied style and period to student-community audiences. Also several student and faculty directed one-acts are presented throughout the season and are open to the public. Acting and production work for these plays are open to the student body and memberships in Masquers and Alpha Psi Omega are earned through participation in these theatre activities.

SUMMER THEATRE

During the summer term the Masquers Town and Gown Summer Theatre presents four major productions. Students enrolled in Summer Theatre (Speech 321-322) work with interested and experienced members of the community in order to bring a program of light summer theatre fare to Northern West Virginia theatre-goers.

In addition the drama department offers Saturday classes in theatre to children of the community between the ages of 5 and 15. These classes result in performances of scenes and one-acts by the children for the public.

ASSEMBLIES AND SPECIAL FEATURE PROGRAMS

A limited number of general assemblies are held each semester. The schedule is flexible insofar as the hour is needed for the meetings. The purpose of the assemblies is to provide programs of an educational or entertainment nature and to celebrate special occasions. The general chairman is a faculty member who acts as expediter of the year's program schedule. These programs, which are free to all students and faculty members, are financed by allotments from the student activity fund.

CONTESTS

The Frank C. Haymond Constitutional Essay Contest

In order to encourage a greater interest in and appreciation of the United State Constitution, Judge Frank C. Haymond has established annual awards of $50, $25, and $10 for the three best papers submitted on the general theme "The Constitution," by regularly enrolled students. Papers are required to be from one thousand to thirty five hundred words in length and are due on or before April 15 each year. Interested students should apply to the chairman of the Department of History and Social Science.

The M. M. Neely Oration Contest

For many years the late Senator M. M. Neely offered an award of $100 dollars for excellence in oratory. It is hoped that this contest, open to all regularly enrolled students of the College, may be continued. A faculty committee is in charge of this contest. Interested students should apply to the chairman of the Speech and Dramatics Department.

COLLEGE RADIO PROGRAM

"Campus Highlights," a weekly radio program, is produced by the radio department of Fairmont State College. It has been a regular feature of Station WMMN since 1929. These programs are for the most part student productions. Any student at Fairmont State College may audition for radio work. A modern studio is located on the ground floor of the Administration Building.

"Campus Highlights" is also a regular feature of other radio stations of the area.

In addition to the radio programs the college presents a number of television shows each year through the facilities of stations WBOY, Clarksburg, and WJPB, Weston.

INTRAMURAL SPORTS

A regular program of intramural sports is sponsored for the benefit of all students. Teams, contests, and various activities are organized for competitive play among the various groups and organizations. The pool is open for intramural and recreational swimming at certain times. Such facilities as the conditioning room are open for individual and group participation. This is under the supervision of staff members who direct the overall program. Individual participation with selected equipment is in the offering for those interested and concerned with their own development, and not with team participation.

The intramural program includes the following activities: speedball, touch football, tennis, volleyball, basketball, relays, softball, horseshoes, outdoor track, badminton, swimming, archery and foul throwing.

The college realizes that its curricula must be designed to meet the educational needs of the integrated personality of the individual student; this type of intramurals affords such an opportunity.

As the demand for more activities develops the facilities will be increased and the program broadened.

INTERCOLLEGIATE SPORTS

Fairmont State College sponsors an intercollegiate athletic program in football, basketball, baseball, cross country, golf, tennis, soccer, swimming, track, and wrestling. There are unusually fine indoor and outdoor facilities and equipment for physical education and recreation. Every young man in college is free to participate in any one or more of the intercollegiate sports and in all recreational activities. Men making up the different teams are not a pre-selected group.

ATHLETIC POLICY

The program of intercollegiate sports at Fairmont State College is supervised by a director of athletics who also serves as chairman of the Physical Education Department. He is assisted in the planning of the program by an athletic committe of the general faculty, and he is assisted in the coaching by four full-time members of the physical education and recreation departments and by part-time coaches of tennis, golf, soccer and bowling drawn from other qualified members of the staff.

The general objectives of the intercollegiate sports program at Fairmont State College are to teach young men the values of sportsmanship, good physical conditioning, and the disciplinary and social values of organized team play. Specific values include the training afforded prospective coaches and physical education instructors through participation, and the possible acquisition, to some extent, of experiences and skills which may furnish recreational outlets following graduation.

In pursuance of the policies recommended by the North Central Association, the following minimum standards governing intercollegiate athletics are maintained:

1. The ultimate responsibility for the conduct of the athletic program rests with the President.
2. The members of the coaching staff are regular members of the faculty and have the same professional status, qualifications, salaries, and tenure as other faculty members.
3. Students participating in athletics are admitted by the Director of Admissions on the same basis as other students. Athletes are required to maintain the same academic standards as non-athletes.
4. The award of scholarships, student loans, and student employment to an athlete is made through the same agency of the College and on the same basis as grants of aid to all other students. All employed students are required to give full and honest work for pay received.
5. All athletic funds are handled by the Business Manager of the College. An audit of the receipts and disbursements of these funds is made annually by the auditors of the West Virginia Tax Commissioner for the benefit of the West Virginia Board of Education and other interested parties.
6. The College does not bring prospective athletes to the campus for tryouts, nor does it pay the expenses involved in college visitations by such persons.
7. An effort is made to compete only with colleges having similar educational and athletic policies.
8. Fairmont State College is a member of the West Virginia Intercollegiate Athletic Conference, and athletic participation is regulated and controlled by the eligibility rules of the Conference. Copies of these rules are on file in the Office of the Director of Athletics.

AWARDS

At Recognition Day exercises, held near the close of each college year, awards are granted to students for outstanding achievements in various campus activities. Among these awards are the following:

For outstanding achievements in scholarship, leadership, service, and character, gold keys are presented to the Four Outstanding Seniors, selected by a faculty-student committee; certificates to the seniors elected to Who's Who Among Students in American Colleges and Universities; American Legion Medals to a senior man and senior woman; MENC plaque presented to outstanding senior music major.

Letters are given to the five band members who have achieved a 3.0 average for at least five semesters; medals and other prizes to outstanding students in business administration, science, secretarial practices; cash awards by the Fairmont Woman's Club to the best freshman writer, to the most worthy senior girl by the American Association of University Women's Club through their Edna Earl Lowe Memorial fund, the Louise Leonard Memorial award for best achievement in elementary education.

The speech department presents cash awards to the winners of the M. M Neely oratory contest and the Judge Frank C. Haymond Consitution essay contest.

At the same time special recognition is given to those freshmen who achieved a quality point average of 3.5, or better during the first semester of their beginning year. The Blazers, senior women's honor society, announces at this time the names of the women of the junior class elected to the organization; and the Pyramid Society, men's honor society, names its new members and recognizes the outstanding freshman man of the year.

Athletic awards are usually made during special sessions at athletic contests or at the annual athletic banquet.

ALUMNI

The Alumni Association of Fairmont State College is the official organization of all graduates and former students of the "old" Fairmont State Normal School, Fairmont State Teachers College, and Fairmont State College.

The history of the Alumni Association goes back almost to the founding of the institution. A meeting was held on Commencement Day, June 27, 1873, at which time the twenty-nine graduates formed the Association.

Events of special interest to Alumni members include the Annual Homecoming celebration held in the fall semester. An Alumni Luncheon and a reception for the graduates, the alumni, and friends of the college are events of Commencement Week. A Fairmont State College open house is held in connection with the annual meeting of the West Virginia Education Association.

Information concerning the Alumni Association may be had by writing to the Alumni Secretary, Fairmont State College, Fairmont, West Virginia.

SPECIAL SERVICES

THE SUMMER SESSION

Fairmont State College offers a ten-week summer session each summer. This session is made up of two terms of five weeks each.

The requirements for admission and the character of the work offered are the same for the summer session as for the regular year. Credit may be earned in all departments toward the bachelor's degree. Courses are varied from summer to summer so that students may find suitable work with which they can build up their earned credit toward a degree or certification. For information relative to summer session fees see index.

All activities and facilities of the campus are available to students during the summer session. The student body is organized under its own leadership at the beginning of each session. Under their leaders, and certain members of the faculty, a general program of social, recreational, and dramatic events is scheduled.

Fairmont State College always sponsors a number of special features in connection with each summer session. Announcements of such features will be made from time to time by means of press releases, radio announcements and special information sheets.

Special bulletins for the summer session are prepared for distribution. Those interested in working toward a degree, or in renewal of certificates, or in pre-profession courses, or in refresher courses, write for the Summer Bulletin. Address, Registrar, Fairmont State College, Fairmont, W. Va.

EVENING CLASSES

Evening classes are operated for the benefit of persons whose employment makes attendance in regular day classes impossible. Classes are ordinarily held on Wednesday evening during the hours from 6 P.M. to 10:00 P.M. These classes are considered as work done in residence.

In accordance with regulations of the State Board of Education, teachers under contract are limited to a total of nine semester hours of credit during the period of employment each year with a maximum of five credit hours per semester.

EXTENSION CLASSES

Upon request, and when it is possible to provide suitable staff, Fairmont State College will offer off-campus courses to interested groups in the general area of the state it serves. Ordinarily, an enrollment of ten or more persons is necessary before any extension courses may be offered. The enrollment fee is $7.50 per semester hour.

Extension courses may be taken either for credit or without credit, excepting those courses listed definitely as non-credit courses. Students enrolling in extension courses for credit must satisfy all the requirements for admission to Fairmont State College. The work given for credit in extension courses corresponds, as to class requirements, with that given in similar courses on the campus. The credit, however, is recorded as extension credit, and not more than 28 hours of such credit may be included in any student's 128 hour requirement for graduation.

Individuals or groups desiring information about extension courses should contact the Dean of the College.

FACULTY MEMBERS

ALLEN, JOE C., (1965), *Assistant Professor of Commerce;* B.S., Pfeiffer College; M.A., Appalachian State Teachers College.

AMOS, RAYMOND E., JR., (1965), *Assistant Professor of Biology;* B.S., Fairmont State College; M.S., and Ph.D., West Virginia University.

ANDERSON, PATRICIA M., (1965), *Instructor of Nursing Education;* B.S., Medical College of Virginia.

BORAM, WILLIAM A., (1963), Chairman, Department of Language and Literature; *Professor of English;* B.A., Glenville State College; M.A., West Virginia University; Ph.D., University of Pittsburgh.

BRAND, PAULINE H., (1964), *Assistant Librarian; Assistant Professor of Library Science;* B.A., Fairmont State College; M.A., West Virginia University; M.L.S., University of Pittsburgh.

BROOKS, JAMES, (1964), *Assistant Professor of Art;* B.F.A., M.F.A., State University of Iowa.

BUNDY, JOSEPH, (1966), *Instructor of Physical Education;* B. A., Fairmont State College, M.A., West Virginia University.

BURNS, DORIS, (1966), *Instructor of Commerce;* B.A., Marshall University; M.A, West Virginia University.

BURNS, RUTH A., (1965), *Instructor of Commerce;* B.A., Fairmont State College; M.A., West Virginia University.

CAIN, RONALD L., (1966), *Instructor of Technical Education;* B.S.E.E., West Virginia University.

CAMPBELL, DONALD L., (1966), *Instructor of Physics;* B.S. West Liberty State College; M.S., West Virginia University.

CANNON, GEORGE E., (1962), *Assistant Professor of Psychology;* B.A., Fairmont State College; M.A., West Virginia University. Candidate for Ph.D. Degree.

COLLINS, EDMUND E., (1949), *Professor of Physical Science;* B.A., and M.A., West Virginia University; Ed.D., University of Pittsburgh.

CONN, ROBERT H., (1966), *Instructor of Foreign Languages;* B.A., and M.A., West Virginina University.

CONRAD, HUNTER J., (1961), Director of Student Personnel and Placement; *Associate Professor of Education;* B.A., Glenville State College; M.A., West Virginia University.

COPELAND, MARGARET E., (1952), *Assistant Professor of English;* BA., West Virginia University; M.Ed., University of Mississippi.

Cox, Homer W., (1959), *Business Manager;* B.S., Marshall University.

Creasy, William D., (1954), *Professor of Biology;* B.S., West Virginia Institute of Technology; M.S., West Virginia University; Ph.D., State University of Iowa.

Davisson, A. Paul, (1947), *Associate Professor of Biology;* B.S., University of Kentucky; B.A., Fairmont State College; M.S., West Virginia University.

Dillon, Roxy Downs, (1961), D*ean of Women; Assistant Professor of Education;* B.A., Fairmont State College; B.S., and M.A., West Virginia University.

Dodge, Margaret, (1965), *Instructor of Nursing Education;* B.S., West Virginia University.

Donoghue, Dennis J., 1965), *Instructor of Political Science;* B.S., and M.A., Central Michigan University.

Doolittle, Margaret T., (1966), *Assistant Professor of Education;* A.B., Glenville State College; M.A., West Virginia University.

Duling, Galen F., (1964), Director of Curriculum and Instruction; *Associate Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

Dumire, Jane, (1966), *Instructor of English;* B.A., Bethany College; M.S., West Virginia University.

Dunlevy, James O., (1965), *Instructor of Mathematics;* B.S., College of Steubenville; M.A., Arizona State College.

Dunn, Billy G., (1956), *Associate Professor of Business Administration;* B.S. Concord College; M.S., University of Kentucky; Ed.D., West Virginia University.

Duvall, Harold S., (1952), *Associate Professor of Physical Education;* B.A. Fairmont State College; M.A., Columbia University.

Eckles, Larry Edward, Jr., (1964), *Professor of Languages;* B.A., and M.A., Western Reserve University; Ph.D., University of Paris.

Edgell, Fred B., (1962), *Professor of English;* B.A., Salem College; M.A., West Virginia University; Ph.D., Ohio State University.

Feaster, Eston K., (1960), *President;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., The George Washington University.

Ford, Eleanor M., (1946), *Associate Professor of Physics;* B.S., and M.S., West Virginia University.

FOWLER, DWIGHT, (1956), Director of Technical and Industrial Education; *Associate Professor of Technical-Industrial Education;* B.S., West Virginia Institute of Technology; M.Ed., Wayne University.

FRYE, NEIL, (1961), *Assistant Professor of Education; BA.,* Fairmont State College; M.A., West Virginia University.

GIVENS, RUTH J., (1966), *Instructor of English;* B.A., Fairmont State College; M.A., West Virginia University.

GRAGSON, WESLEY M., (1957), *Associcate Professor of Music;* B.S., Western Kentucky State College; Mus.M., West Virginia University.

GRIMSLEY, BARBARA, (1965), *Instructor of Nursing Education;* B.S., West Virginia University.

GULAS, WILLIAM M., (1965), *Instructor of Mathematics;* M.S., West Virginia University.

HAINES, BILLY L., (1966), *Instructor of History;* B.A., and M.A., West Virginia University.

HALES, JAMES A., (1964), *Assistant Professor of Industrial Arts;* B.S., and M.A., Kent State University.

HALL, GERTRUDE, (1950), *Associate Professor of Home Economics;* B.A., Fairmont State College; M.A., Columbia University.

HAMILTON, ERNEST, (1966), *Instructor of English; M.A.,* Punjab University.

HESS, MELVA, (1951), *Assistant Professor of Home Economics;* B.A., Fairmont State College; M.S., West Virginia University.

HOLCOMB, PATRICIA, (1966), *Instructor of Nursing Education*; B.S., West Virginia University.

HOUSE, CLIFFORD R., JR., (1947), *Associate Professor of Philosophy and English;* B.A. Kentucky Wesleyan College; M.Ed., University of Cincinnati, M.R.E., University of Pittsburgh.

JAYNES, EDGAR N., (1947), Chairman, Department of Commerce; *Professor of Business and Economics;* B.A., West Virginia University; M.B.A., Boston University.

JOHNSON, CYRIL W., (1947), Chairman, Department of Industrial Arts Education; *Associate Professor of Industrial Arts;* B.S., Stout Institute; M.A., Ohio State University.

JONES, MARILYNN, (1966), *Instructor of English;* B.A., Fairmont State College; M.A., West Virginia University.

KERR, WILLIAM H., (1963), *Assistant Professor of Physical Education; B.A.,* Fairmont State College; M.A., West Virginia University.

KERR, JOSEPH R., (1966), *Instructor of Sociology;* B.A., and M.A., West Virginia University.

LARUE, JAMES A., (1954), Chairman, Department of Mathematics; *Professor of Mathematics;* B.A., and M.S., West Virginia University; Ph.D., University of Pittsburgh.

LAUGHLIN, WILLIAM M., JR., (1966), *Instructor of Commerce;* B.A., College of William & Mary; M.A., University of Cincinnati.

LENGEL, RICHARD R., (1966), *Instructor of History;* M.A., Sul Ross State College.

LEONARD, LOY W., (1956), *Assistant Professor of Industrial Arts;* B.A., Fairmont State College; M.A., West Virginia University.

LOUGH, JO ANN, (1956), *Assistant Professor of Speech and Dramatics; B.A.,* Fairmont State College; M.A., West Virginia University.

LUCAS, AILEEN, (1964), Assistant Librarian; *Assistant Professor of Library Science;* B.A., Marietta College; B.S.L.S., George Peabody College.

MARPLE, CLORA, (1954), *Assistant Professor of Education;* B.A., Glenville State College; M.A., West Virginia University.

MASON, FRANCES L., (1962), *Assistant Professor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

MASSAY, GLENN F., (1965), *Assistant Professor of History;* B.S., California State College; M.A., West Virginia University.

MCDERMOTT, DOUGLAS S., (1966), *Instructor of Geography;* B.S., Florida State University; M.S., Marshall University.

MCKOWN, GARY L., (1963), Chairman, Department of Science; *Assistant Professor of Chemistry;* B.S., and Ph.D., West Virginia University.

MILAM, OTIS H., JR., (1953), Registrar and Director of Admissions; *Associate Professor of Education;* B.S., West Virginia University; M.A., Marshall University.

MILLER, FRED R., (1966), *Instructor of Speech;* B.A., Fairmont State College; M.A., Miami University.

MILLER, MARTHA, (1964), Director of Nursing Education; *Associate Professor of Nursing Education;* B.S.N., University of North Carolina; M.S., Western Reserve University. Candidate for Ed.D. Degree.

MOODY, FRANCES, (1962), *Assistant Professor of Music;* B.A., Concord College; M.A., Columbia University.

MORGAN, MARY ELINOR, (1965), *Instructor of History;* A.B., and M.A., West Virginia University.

MORRISON, GEORGE H., (1966), *Instructor of English;* B.A., and M.A., Marshall University.

MUSICK, RUTH ANN, (1946), *Professor of English;* B.S., Missouri State Teachers College; M.S., and Ph.D., State University of Iowa.

NAEGELE, ORVILLE D., (1960), *Assistant Professor of Geology;* B.S., and M.S., University of Cincinnati.

NAILLER, BARBARA E., (1966), *Instructor of Education;* B.S., Adrian College; M.A., West Virginia University.

NEPTUNE, MARLYN G., (1966), *Instructor of Physical Education;* B.S., and M.S., West Virginia University.

NEWCOME, MILDRED, (1966), *Instructor of English;* A.B., and M.A., West Virginia University.

NOTTINGHAM, CAROLYN, (1966), *Instructor of Music;* A.B., Marshall University; M.M., Northwestern University.

NUTTER, BARBARA F., (1964), *Instructor of English;* A.B., Fairmont State College; M.A., West Virginia University.

PETRO, FLORA, (1964), *Instructor of Business Education;* B.A., Fairmont State College; M.A., West Virginia University.

PHILLIPS, WALTER F., JR., (1966), *Instructor of Technical Education;* A.B., Fairmont State College; M.A., West Virginia University.

PHILLIPS, WILLIAM E., JR., (1966), Assistant Director of Admissions and Registrar; *Assistant Professor of Education;* A.B., Fairmont State College; M.A., West Virginia University.

PINTO, GINA S., (1956), *Assistant Professor of Business Education;* B.S., and M.A., West Virginia University.

POLLOCK, NORMAN, (1966), *Instructor of Sociology;* B.A., Fairmont State College; M.A., West Virginia University.

POTESTA, WOODROW, (1948), *Associate Professor of Business and Economics;* B.S., and LLB., West Virginia University.

POWELL, RUTH ANN, (1966), *Assistant Librarian;* B.A., Fairmont State College.

PULSIFER, JACK R., (1965), *Assistant Professor of History;* B.A., Lamar State College of Technology; M.A., Northwestern University.

PUZZUOLI, DAVID, (1966), *Assistant Professor of Education;* B.S., Western Reserve University; M.A., West Virginia University.

QUINTRELL, DOROTHY E., (1955), *Associate Professor of Biology;* B.S., Wayne State University; M.S., University of Michigan.

Ramey, Patricia S., (1966), *Instructor of English;* A.B., Shepherd College; M.A., West Virginia University.

Retton, Joseph, Jr., (1963), *Assistant Professor of Physical Education*; B.A., Fairmont State College; M.A., West Virginia University.

Rhodes, Lillian L., (1951), *Associate Professor of Art;* B.S., Longwood College; M.A., Columbia University.

Richards, Thomas J., (1965), *Instructor of Art;* A.B., and M.A., Marshall University.

Robinson, Jay E., (1959), *Associate Professor of Music;* B.M., Western Michigan University; M.M.E., Indiana University. Candidate for Ph.D. Degree.

Rosier, Josephine L., (1957), Librarian; *Associate Professor of Library Science;* B.A., West Virginia University; B.S.L.S., Columbia University.

Ruoff, William D., (1966), *Assistant Professor of Chemistry;* B.S., Albright College; M.S., and Ph.D., University of Delware.

Ryan, Patricia, (1966), *Instructor of Political Science;* B.A., American University; M.A., West Virginia University.

Sansalone, Frank V., (1962), *Instructor of Commerce;* A.B., Fairmont State College; LL.B., West Virginia University.

Schneider, William J., (1962), *Assistant Professor of Mathematics;* B.A., Fairmont State College; M.S., West Virginia University.

Shaffer, Dallas B., (1964), *Assistant Professor of History;* B.A., University of Richmond; M.A., and Ph.D., West Virginia University.

Shaffer, William D., (1966), *Instructor of Psychology;* B.A., Fairmont State College; M.A., West Virginia University.

Snyder, James F., (1966), *Instructor of Technical Education;* B.S., Kent State University; M.A., Peabody College for Teachers.

Snyder, Suzanne, (1962), *Assistant Professor of Speech;* B.A., Fairmont State College; M.A., University of Pittsburgh.

Straight, Earl N., (1961), *Associate Professor of Journalism and Director of Public Relations;* B.A., Fairmont State College; M.A., West Virginia University.

Strohl, Mary J., (1966), *Instructor of Mathematics;* B.S., University of Illinois; M.A., West Virginia University.

Swiger, Elizabeth Davis, (1956), *Professor of Chemistry;* B.S., M.S., and Ph.D., West Virginia University.

Taylor, J. Martin, (1946), *Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., University of Colorado.

Teter, W. David, (1964), *Assistant Professor of Industrial Education;* B.S.M.E., and M.S.M.E., West Virginia University.

Trimble, George D., (1965), *Instructor of English;* A.B., and M.A., Marshall University.

Turley, George H., (1941), Dean of Men; *Associate Professor of Speech and Radio;* B.A., Fairmont State College; M.A., West Virginia University.

Turner, William P., Jr., (1955), Chairman, Department of History and Social Science; *Professor of History;* B.A., M.A., and Ph.D., West Virginia University.

VanHorn, Joanne, (1966), *Instructor of History;* B.A., and M.A., Marshall University.

Veasey, Marilee, (1966), *Instructor of Speech;* B.A., Fairmont State College; M.A., West Virginia University.

Wallman, Lawrence A., (1929), Chairman, Department of Speech and Dramatics; *Associate Professor of Speech and Dramatics;* B.A., and M.A., West Virginia University.

Walters, Nelle E., (1947), *Associate Professor of Physical Education;* B.A., West Virginia University; M.A., George Peabody College.

Watson, Bart, (1966), *Instructor of English;* A.B., Fairmont State College; M.A., West Virginia University.

Wellock, Richard P., (1960), Chairman, Department of Fine Arts; *Associate Professor of Music;* B.S., Southwest Missouri State College; M.A., Columbia University.

Whelan, David, (1966), *Instructor of Commerce;* M.A., Rutgers University.

Whiteman, Richard P., (1966), *Instructor of Technical Education;* B.S., West Virginia University.

Willard, Margaret S., (1949), *Associate Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

Wilmoth, Stark A., (1962), Chairman, Department of Education and Psychology; Director of Teacher Education; *Associate Professor of Education;* B.A., and M.A., West Virginia University.

Wilson, Wilford R., (1939), Chairman, Department of Physical Education, Health and Recreation; *Associate Professor of Physical Education and Health;* B.A., Fairmont State College; M.A., Columbia University.

Wise, Kenneth G., (1948), *Associate Professor of Industrial Arts;* B.S., Ohio University; M.A., Ohio State.

Yost, Paul V., (1960), Dean of the College;*Associate Professor of Education,* B.A., Shepherd College; M.A., West Virginia University.

RETIRED MEMBERS OF FACULTY

Jasper H. Colebank, B.A., *Physical Education*
Eva Day Compton, M.A., *Home Economics*
Wayne T. Gray, Ph.D., *Sociology*
Frank Hall, M.A., *Education*
Cleo D. Haught, M.S., *Chemistry*
Maud M. Hull, M.A., *Education*
George Hunt, Ph.D., *Zoology*
Ethel Ice, M.A., *German*
M. E. McCarty, M.A., *Mathematics*
Pearl S. McCarty, Ed.D., *English*
Paul F. Opp, Ped.D., *English*
Mary B. Price, *Music Supervisors Diploma, Music*
Haddon Rhodes, M.A., *English*
Jean E. Richmond, M.A., *Home Economics*
Francis Shreve, Ph.D., *Education*
Herman Arthur Shutts, M.A., *Mathematics*
Marjorie Tate, M.A., *English*
Elizabeth Terry, M.A., *French*
R. P. Ward, Ph.D., *Chemistry*
Kenneth G. Weihe, Ph.D., *English*

ADMINISTRATIVE ASSISTANTS

Pearl Brown, *Head Resident*, North Hall
Beulah Cole, *Head Resident*, Pence Hall
Linda Cox, *Secretary to Registrar*
Eleanor Drane, *Head Resident*, Garden Lane Apartments
Jonnie Erdie, B.S., *Assistant to the Director of Student Personnel*
Karen Godwin, *Associate in Arts, Secretary to Director of Curriculum and Instruction*
Joan Harker, *Associate in Arts, Secretary to President*
Nelda Hawkins, *Faculty Secretary*
Ruth Hawkins, *Cashier*
Helen Hopewell, *Secretary to Dean of College*
Grace Kisner, *Manager of Book Store*
Mary B. Lemley, *Director of Food Service*
Zelma Oakes, *Head Resident*, Morrow Hall
Georgia Peters, R.N., *College Nurse*
Mary Shingleton, A.B., *Director of Film Service*
Katharyn E. Smith, A.B., *Assistant to the Registrar*
Ruth Snoderley, *Head Resident*, Morgan Hall
Jessie Tonkin, *Secretary to Dean of Men; Dean of Women*

SECONDARY CRITIC TEACHERS

(*Principal)

Ammons, Estelle Toothman
*Anderson, Noah Bowls
Ashley, Edis Lazear
Bashaw, Virgil Ellen
Basnett, Mary Jane
Beaty, Mary Becker
Belton, Marian
Bennett, Barbara Ann
Berry, Mildred Jack
Boyles, Richard Franklin
*Brock, Robert N.
Brookover, Louise
Brown, Alma K.
Brummage, Phillip Charles
Butcher, Kathryn Elaine Negie
Compbell, Robert N.
Carter, Evelyn
Casalinuova, Carlo
Cather, Charles Rae
Charlton, Edith
Clayton, Corinne D.
Cole, Hazel E.
Conaway, John Gilbert
Conrad, Addamae Murphy
Cotrel, Jack Robinson
Crescenzi, Nathan O.
Dandolo, Eugene
Davis, Joanne Rancinger
Davis, Laura Elizabeth
Davisson, Elizabeth Wrick
Decker, Arlene Marteney
Dodrill, Donald L.
Dowden, Mary Virginia
Eshenbaugh, Juanita Bartlett
Evans, Wilma Bunner
Everhart, Ronald Cochran
*Faulkner, Lynn Tecumseh
Feltz, James C.
Fisher, Ann Elizabeth
Friend, Vernon French
Frye, Pauline Cunningham
Fulkner, Jean Carol Hinkins
Gaskin, Vaughn William Jr.
Goodwin, Helen M.
Gouzd, Joseph P.
*Gump, Larney Ray
Hale, Mildred Leason
Hall, Lewis William
Hall, Martha B.
Hamilton, Donald Lee
Harbert, Nancy Lee
*Harris, Kenneth Leo
Harris, Nancy Smith
Haugh, James Lucian
Haught, Howard Elbert
Haught, Mary A.
Hedrick, Raymond
Henderson, Lucille Ahern
*Herron, Charles
Hess, Margaret H.
Hillberry, Irene Lebelle
Hobbs, Clarice Oakes
Hostutler, Ana Marian
Ice, Agatha Swisher
Jamison, Harry Wayne
Jarvis, Julia C.
Jaynes, Betty M.
Jenkins, Mary Lucille
Johnson, Mary Margaret Wrick
Jones, Jo Ann
Julian, Louie
Keener, Earl Richard
Kelly, Alonzo Ray Jr.
Knight, Agnes Loretta Jane
Koen, Charlotte
Kuhn, Patricia Irene
LaFollette, Madlyn L.
Long, William Edward
Lynch, Karen Wetzel
Maiola, Melia Rose
*Malcolm, Edward Willard
Malcolm, Lucille R.
Malvin, Mary Sue
Manno, James Louis

SECONDARY CRITIC TEACHERS (Continued)

Mapel, Betty Lou
Martin, Dorotha Moore
McConnell, Mildred T.
McConnell, Earl Wayne
McCutcheon, Gary Lee
McDonald, Ouida S.
McIntyre, Jack Edward
McKinney, Randall Hodges
McLane, Margaret Ruth
Michael, Barbara M. Porter
*Michael, Newton G.
*Michael, Paul G.
Michna, Adam Felix
Migaiolo, James V.
Modi, Abraham D.
Mohrman, Albert Merton
Mohrman, Mary Slepesky
Monroe, Neva Marguerite
Mullennex, Judith Ann Baer
Mumford, Hortense Ernestine
Muto, Domenick Leonard
Neptune, Marlyn G.
Nicewarmer, Phillip E.
Nuzum, Helen Ford
Orr, Gladys M.
Packman, Gary Bennett
Parks, Joann
Parrish, Janet T.
*Pearse, Torino Joseph
Pence, Edward Arthur
Peters, Janeille Kay
Peteshel, Charles H. Jr.
Phillips, Gypsie Louise
Phillips, Patricia Girod
Phillips, Ruth Kerr
Phillips, Thelma Huey
Pilewski, Leo J.
Powers, Paul E.
Rice, Elizabeth Anne
Riley, Alvarette
Robinson, Naveline Kathern
Robinson, Elma Stout
Ross, Joseph
Roy, Martha Rose
Ryan, Clarence Daniel
Savereno, Angeline S.
Scott, Jeanne R.
Securro, Virginia Hatfield
Seese, Arol, A.
Shaver, Hazel Grace
Sinsel, Mildred C.
Smith, Mary Jane
Snoderly, Twila Claredon
Spadafore, Lawrence
Starcher, Agnes
Stewart, Evelyn Cox
Stewart, Marguerite Carrie
Stiles, Max G.
Stonestreet, Mary E.
Straight, Harold E.
*Sullivan, Bernard Ray
*Swiger, Clyde S.
Sweeney, Hilda H.
Sweeney, Margaret Wilson
Tabler, Elizabeth Auld
Tennant, John D. Jr.
Thornburg, Evelyn H.
Thornton, James Randolph
Tichenor, Theda Hurst Lyons
*Tolley, Norman R.
Towler, Barbara Lee
Townsend, Anna Lee Carver
Unger, Carolyn Sturm
Vandergrift, Irene Lough
Victor, John Tennant
Vincent, R. Glen
Waddell, Kenneth Ray
Wade, Jean Carol
Waggoner, Gary Gene
Watson, V. Elaine Bennett
Whinnie, Karen Ealine
Williams, Margery J.
Williams, Okey D.
Willis, Glenn E.
Wilson, Shirley Anne
Wyckoff, Beulah R.
Yost, Argyle
Zinn, Madeline Hughes

ELEMENTARY CRITIC TEACHERS

Crouser, Olene Shaffer
Daugherty, Mary T.
Davis, Mary Elizabeth
Findley, Joann Lou
Fitch, Ruth Fowler
Fleming, Shirley Ann
Gray, Carrie Semrau
Haught, Bessie Bell
*Hinzman, William Earl
Hudgins, William Kent
Irvine, Veva Cox
Kyre, Pearl Smith
Linger, Beatrice H.
*Linn, Lawrence Wayman
Lowe, Merle
Lucas, Marzella Virginia
Ludden, Lillian
Machie, Catherine Rose
McConnaughy, Helen E.
*Meyers, Jane McIntyre
*Miller, Thomas Bryon
Nixon, Mary Joan
Nixon, Ethel Clayton
Oney, Ruth Elizabeth
Palmer, Gertrude Winona
*Spevock, Michael Rush
Springer, Pauline T.
Stealey, Ann Henry
Straight, Roselyn Williamson
Webner, Kathryn Morgan
Wildman, Olive Geraldine
Williams, Ladine O'Neal

FACULTY COMMITTEES

Academic Council
Administrative Council
Admission and Credits
Athletics
Campus Planning and Development
Campus Safety, Welfare, and Security
Civil Defense
Commencement
Courtesy
Curriculum
Discipline
Faculty Welfare
International Understanding
Library
Planning
Program
Public Relations
Sabbatical Leave
Scholarship, Loan and Student Aid
Student Center
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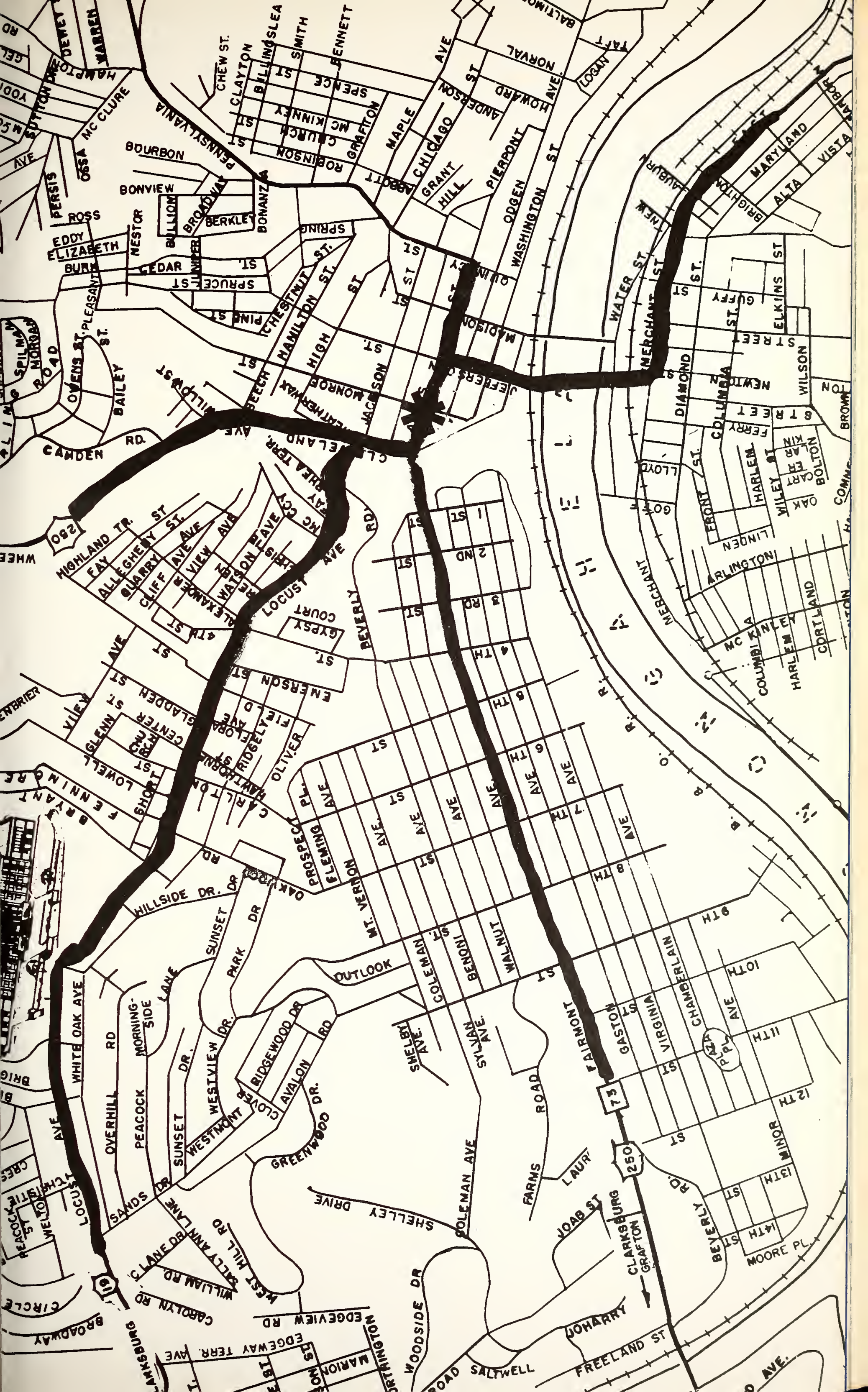

DEWEY
WARREN
HAMPTON
SUTTON DR.
MC CLURE
OSSA
PERSIS
AVE
CHEW ST.
CLAYTON
BILLINGSLEA
SMITH
BENNETT
ST
SPENCE
MC KINNEY
CHURCH
GRAFTON
ROBINSON
MAPLE
AVE
CHICAGO
ANDERSON ST
HOWARD
NORVAL
AVE.
LOGAN
TAFT
BALTIMORE
PENNSYLVANIA
BOURBON
BONVIEW
BONANZA
BROADWAY
BILLION
BERKLEY
ROSS
EDDY
ELIZABETH
NESTOR
BURK
CEDAR
JUNIPER
SPRUCE ST
ABBOTT
GRANT
HILL
PIERPONT
OGDEN
WASHINGTON
ST
SPRING
QUINCY
CHESTNUT ST.
HAMILTON ST.
HIGH
ST
PINE ST
MADISON
JEFFERSON
MONROE
JACKSON
BEECH
WILLOW ST
WILLEY
FAYETTE
WATER ST.
MERCHANT ST.
NEW
AUBURN
EAST
BRIGHTON
MARYLAND
ALTA
VISTA
SPILMAN
MORGAN
ROAD
OWENS ST.
PLEASANT ST.
BAILEY
CAMDEN RD.
WHEELING
250
HIGHLAND TR.
FAY
ALLEGHENY ST
QUARRY
CLIFF AVE
RIVERVIEW AVE
WATSON AVE
ALEXANDER
4TH ST
CLEVELAND
HOUSTON
MC CRAY
LOCUST AVE
BEVERLY
GYPSY COURT
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2 ND ST
3 RD ST
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MONONGAHELA R.
B. & O. R. R.
WILSON
DIAMOND
COLUMBIA
NEWTON
FERRY STREET
STREET
ELKINS ST
GUFFY
LLOYD
FRONT ST.
HARLEM
WILEY ST
MC CARTER
OAK
BOLTON
BROWN
LINDEN
ARLINGTON
MC KINLEY
COLUMBIA
CORTLAND
MERCHANT
GREENBRIER
VIEW AVE
GLENN ST.
GLADDEN ST
CENTER ST
CHURCH
FLORA AVE
RIDGELY AVE
FIELD
OLIVER
EMERSON ST
HAWTHORNE ST
CARLTON
SHORT ST
LOWELL
FENNIMORE
BRYANT
PROSPECT PL.
FLEMING AVE
MT. VERNON AVE
HILLSIDE DR.
OAKWOOD RD.
SUNSET DR
PARK DR
COLEMAN AVE
BENONI AVE
WALNUT ST
OUTLOOK
SHELBY AVE.
SYLVAN AVE.
FAIRMONT AVE
GASTON
VIRGINIA
CHAMBERLAIN
PLAZA PL
AVE
73
WHITE OAK AVE
OVERHILL RD
PEACOCK
MORNINGSIDE LANE
WESTVIEW DR.
RIDGEWOOD DR.
AVALON RD
WESTMONT
CLOVER
GREENWOOD DR.
SUNSET
SANDS DR
LOCUST AVE
CIRCLE
BROADWAY
19
ROAD
FARMS
LAUREL
JOAB ST
CLARKSBURG GRAFTON
BEVERLY RD.
MINOR
MOORE PL.
SHELLEY DRIVE
COLEMAN AVE
WOODSIDE DR
SALLY ANN LANE
WEST HILL RD
WILLIAM RD.
CAROLYN RD
EDGEVIEW RD
EDGEWAY TERR. AVE
WORTHINGTON
MARION
JOHARRY
FREELAND ST
SALTWELL ROAD
CLARKSBURG
AVE.

1867
FAIRMONT STATE COLLEGE
100
YEARS
OF SERVICE TO
THE STATE
FAIRMONT, W. VA.
1967

FAIRMONT STATE COLLEGE
BULLETIN

GENERAL CATALOG 1968-70

FOR YOUR INFORMATION

CORRESPONDENCE: to avoid delay correspondence should be addressed as indicated below:

- **Admissions**

  For everything concerned with the admission of students, including requests for the college catalog and other publications, academic credits, and information about fees, address:

  The Registrar and Director of Admissions

- **General College Interest and Development,** address:

  The President

- **The Faculty, Curricula, Instruction, Summer Session, Evening and Extension Classes,** address:

  Academic Dean

- **Guidance and Counseling, Student Employment, and Placement,** address:

  The Director of Student Personnel

- **Housing,** address:

  Dean of Men or Dean of Women

- **Scholarships and Loan Information,** address:

  Chairman, Financial Aid Comm.

- **Student Accounts, Deferred Payments, and Purchases,** address:

  The Business Manager

- **Alumni Activities,** address:

  The Alumni Secretary

CATALOG: Students are urged to secure **and to retain throughout the period of their enrollment** a copy of the catalog for the year in which they entered. Unless changes beyond the control of Fairmont State College occur, or an unusually long period ensues between original enrollment and candidacy for graduation, students will be permitted to graduate under requirements prevailing at the time of entrance. Fairmont State College reserves the right to change any provision or requirement of this catalog without notice.

FAIRMONT
STATE COLLEGE

Volume XCVI | January 1, 1968 | Number 1

GENERAL CATALOG
1968-1970

FAIRMONT, WEST VIRGINIA
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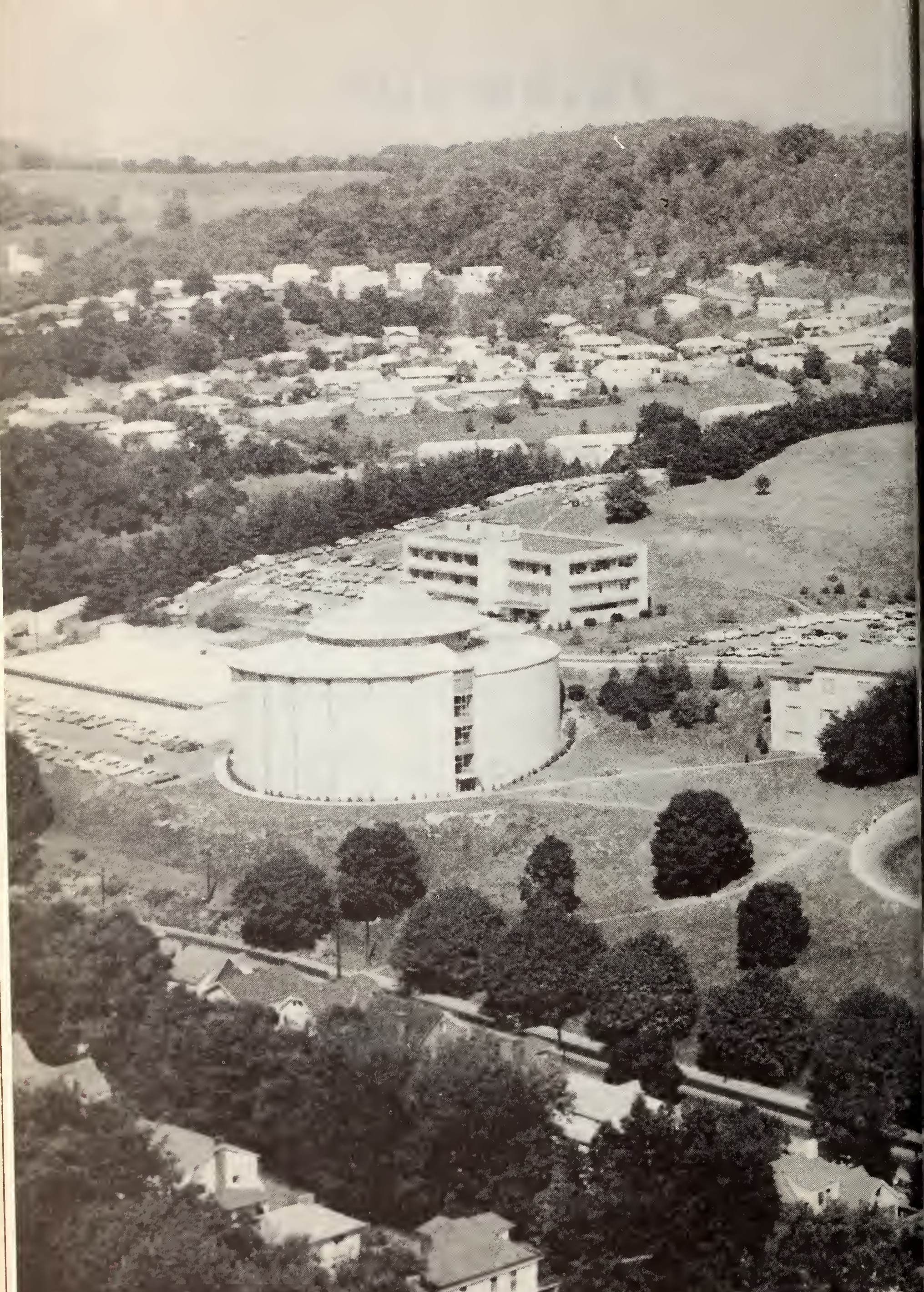


THE CAMPUS BEAUTIFUL—*Fairmont State College's beautifully landscaped 80-acre campus is bordered on the west by a modern hospital and a new clinic extending into a choice residential area. The tree-shrouded campus (see identification map on following page) is served by bus lines into downtown Fairmont,*

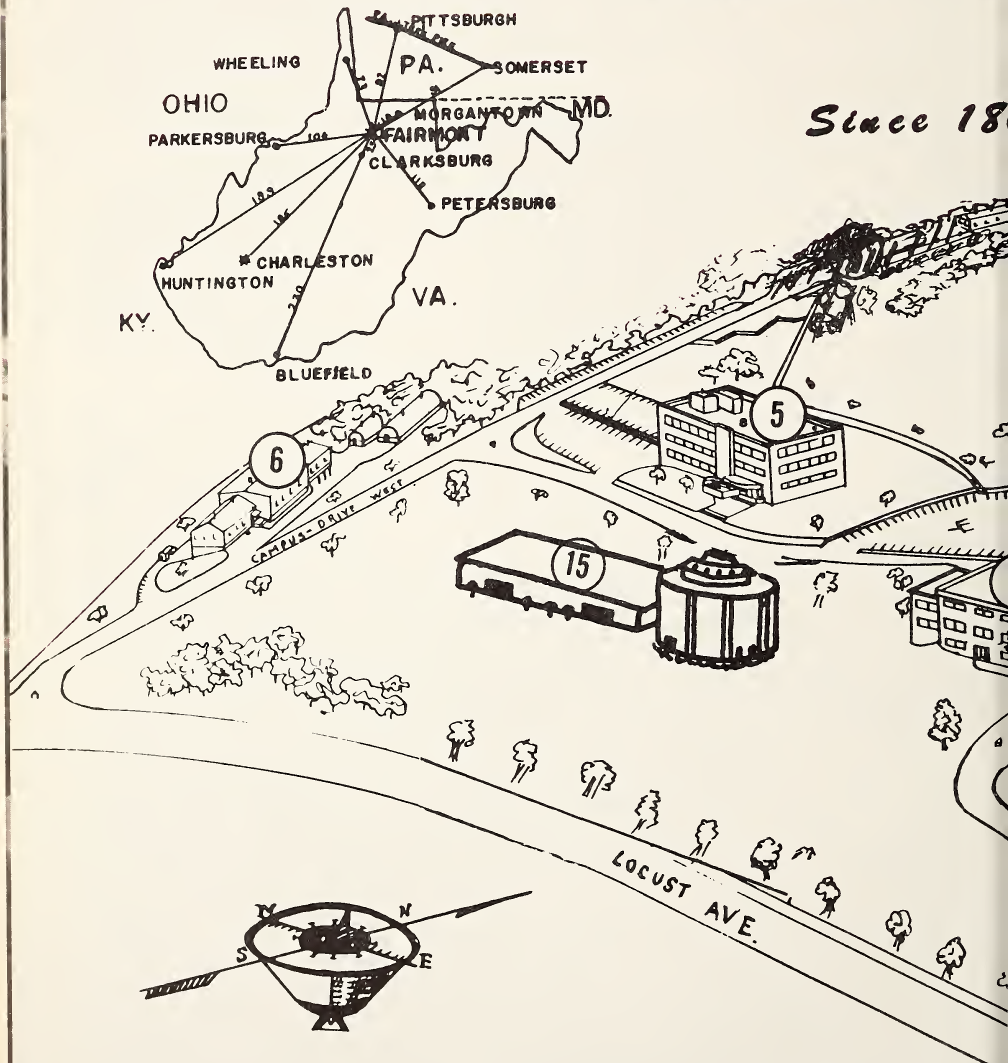
less than one mile distance on State Route 19. Not completely shown in aerial view is the Field House, Morgan Hall for Women and the Garden Lane Housing units.

CAM

Fairmont State Colle

Fairmont, W

Since 18



PITTSBURGH
WHEELING
PA.
SOMERSET
OHIO
MORGANTOWN
MD.
PARKERSBURG
FAIRMONT
CLARKSBURG
PETERSBURG
CHARLESTON
HUNTINGTON
VA.
KY.
BLUEFIELD
189
106
220
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15
CAMPUS DRIVE WEST
LOCUST AVE.
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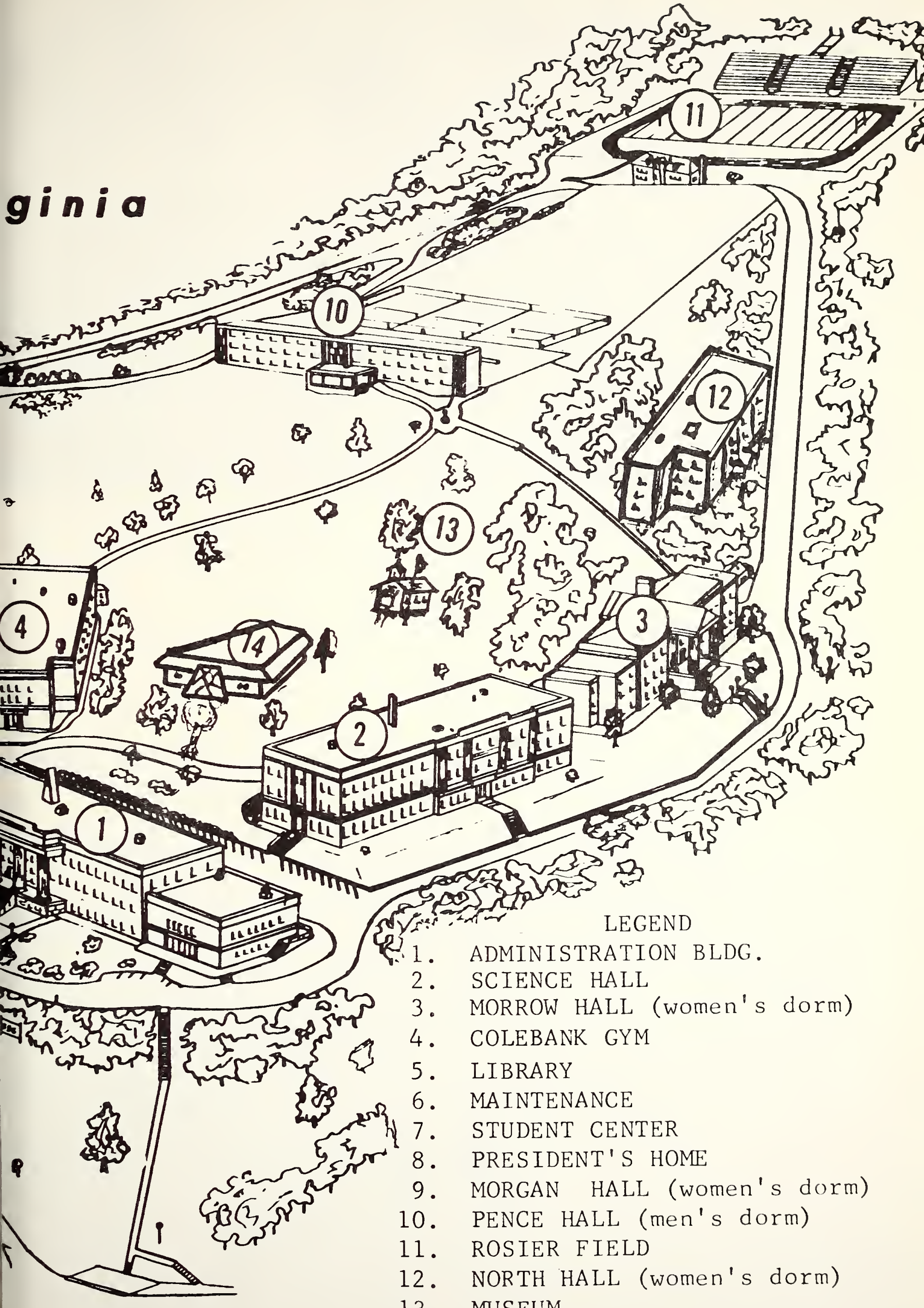

LEGEND

1. ADMINISTRATION BLDG.
2. SCIENCE HALL
3. MORROW HALL (women's dorm)
4. COLEBANK GYM
5. LIBRARY
6. MAINTENANCE
7. STUDENT CENTER
8. PRESIDENT'S HOME
9. MORGAN HALL (women's dorm)
10. PENCE HALL (men's dorm)
11. ROSIER FIELD
12. NORTH HALL (women's dorm)
13. MUSEUM
14. DINING HALL
15. ARTS BUILDING

FAIRMONT
STATE
COLLEGE

ADMINISTRATION BUILDING—*Facing Locust Avenue and the college entrance is the Administration Building with its stately and traditional columns.*

ARTS BUILDING—*Housing the fine and applied arts divisions, the new structure is five levels high and covers over 70,000 square feet of floor space.*

DINING HALL—*With its unusual structure and design to enhance the new look on Fairmont State's campus, the food service to students and for banquets is listed as one of the best in the state.*

LIBRARY—*The three-story modern structure is air conditioned and houses over 70,000 volumes along with comfortable study areas and a film area.*

PENCE HALL FOR MEN—*Resting on a peaceful knoll overlooking the whole campus is this modern men's hall with spacious lounges and accommodations for 132 men.*

NORTH HALL FOR WOMEN—*One of three women's dorms with modern comforts. The other two include Morrow Hall and Morgan Hall. Other housing for women includes a housing complex bordering the campus.*

STUDENT CENTER—*A busy part of campus student activity with comfortable study area, recreation, snack bar and ballroom. Now being doubled in size with new addition.*

SCIENCE HALL—*Housing the departments of mathematics, natural and biological sciences, home economics and business administration. Ground will be broken this fall for a large, new Science Hall.*

COLEBANK GYMNASIUM—*Housing the Physical Education program, the structure contains a large gym, swimming pool, locker areas, showers and physical education programs for men and women.*

ROSIER FIELD HOUSE—*Located on Rosier field and used in the Health, Physical Education and Recreation program, the structures serve three field areas.*

TIME
QTR
DOWN
GUESTS
HOME
YARDS TO GO

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CALENDAR FOR 1968 - 1969

FIRST SUMMER SESSION

June	17	Monday	Registration, First Summer Session
June	18	Tuesday	First Class, First Summer Session
June	18	Tuesday	Last day for registration and/or changes in schedule
June	19	Wednesday	Last day for making application for summer graduation
June	22	Saturday	Classes in Session
July	4	Thursday	Classes not in Session
July	5	Friday	Classes not in Session
July	19	Friday	First Summer Session ends

SECOND SUMMER SESSION

July	22	Monday	Registration, Second Summer Session
July	23	Tuesday	First Class, Second Summer Session
July	23	Tuesday	Last day for registration and/or changes in schedule
Aug.	23	Friday	Second Summer Session ends

FALL SEMESTER

Sept.	3	Tuesday	Freshmen arrive
Sept.	3-7	Tuesday - Saturday	Orientation
Sept.	6	Friday	8:30 a.m.-4:00 p.m. and 6:30 p.m.-8:00 p.m. Registration
Sept.	9	Monday	Classes begin
Sept.	12	Thursday	Last day for registration and/or changes in schedule
Nov.	1	Friday	Mid-semester reports due
Nov.	1	Friday	Last day for making application for January graduation
Nov.	26	Tuesday	Thanksgiving Recess begins 10:00 p.m.
Dec.	2	Monday	Classes resume 8:00 a.m.
Dec.	20	Friday	Christmas Recess begins 4:00 p.m.
Jan.	6	Monday	Classes resume 8:00 a.m.
Jan.	14	Tuesday	Study Day
Jan.	21	Tuesday	Semester ends
Jan.	22-26	Wednesday - Sunday	Semester Break

SPRING SEMESTER

Jan.	27	Monday	8:30 a.m.-4:00 p.m. and 6:30 p.m.-8:00 p.m. Registration
Jan.	28	Tuesday	Classes begin
Jan.	31	Friday	Last day for registration and/or changes in schedule
Mar.	21	Friday	Mid-semester reports due 4:00 p.m.
Mar.	21	Friday	Last day for making application for June graduation
Apr.	2	Wednesday	Easter Recess 10:00 p.m.
Apr.	8	Tuesday	Classes resume 8:00 a.m.
May	2	Friday	Institutional Testing - Sophomores
May	21	Wednesday	Study Day
May	28	Wednesday	Semester ends
May	30	Friday	Commencement 10:00 a.m.

FAIRMONT STATE COLLEGE

FAIRMONT, WEST VIRGINIA

Established 1867

1867 100 YEARS OF SERVICE TO THE STATE 1967

WEST VIRGINIA BOARD OF EDUCATION

The State Board of Education has complete control over the educational, administrative, and fiscal policies of Fairmont State College. The personnel list of the present board follows:

Lacy I. Rice, *President*, Martinsburg	1967
W. Robert Abbot, *Vice-President,* Fayetteville	1972
S. J. Baskerville, Charleston	1971
Charles H. Brown, Kingwood	1969
Robert E. Kamm, Summersville	1974
Perce J. Ross, Buckhannon	1968
E. L. Snoderley, Fairmont	1973
A. H. Spangler, Bluefield	1975
Sara Van Horn Uhl, Vienna	1970
Rex Smith, *State Superintendent of Free Schools, member ex officio*, Charleston	
Leslie Martin, *Secretary*, Charleston	

Administrative Officers of the College

Eston K. Feaster, Ed.D., *President*

Paul V. Yost, M.A., *Administrative Dean*

William P. Turner, Jr., Ph.D., *Academic Dean*

Galen F. Duling, M.A., *Director of Teacher Education*

George H. Turley, M.A., *Dean of Men*

Roxy Dillon, M.A., *Dean of Women*

Otis H. Milam, Jr., M.A., *Registrar, Director of Admissions*

William E. Phillips, Jr., M.A., *Assistant Registrar and Director of Admissions*

Hunter J. Conrad, M.A., *Director of Student Personnel*

Peter E. Pell, M.A., *Assistant Director of Student Personnel*

Earl N. Straight, M.A., *Director of Public Relations and Alumni Secretary*

Josephine L. Rosier, B.S.L.S., *Librarian*

Wilford R. Wilson, M.A., *Director of Athletics*

Homer W. Cox, B.S., *Business Manager*

Alva J. Rice, B.S., *Assistant Business Manager*

Harry C. Fleming, M.D., *Director of Student Health Service*

Edgar L. Williams, Jr., B.S., *Superintendent of Buildings and Grounds*

GENERAL INFORMATION

LOCATION

Fairmont State College is a coeducational institution of higher education located at Fairmont, West Virginia. Fairmont is a city of about 30,000 population, the county seat of Marion County, and the center of the coal industry of northern West Virginia. It is the operating headquarters and home of a number of large coal, utility, and manufacturing concerns. The city offers unusual cultural and economic advantages. It possesses excellent stores, theatres, park and recreation facilities, and churches of all faiths. Community groups provide excellent outlets for local talent. Student and faculty members of Fairmont State College take an active part in community activities.

PURPOSE AND AIMS

Fairmont State College is a four-year state college whose purpose is to serve its area and the state at large by offering such undergraduate curricula in general and vocational education as the West Virginia Board of Education may approve.

Under this board directive, Fairmont State College offers curricula for the preparation of elementary and high school teachers and curricula leading to degrees in the liberal arts and sciences. Besides the courses terminating with the granting of degrees, Fairmont State College offers two-year curricula in several areas and two or three years of pre-professional training in a number of fields.

In addition to its formal academic program, the College is interested in participating actively in worthwhile community projects. To that end, it is the policy of the college administration to share with the community the cultural program and physical facilities of the College.

By providing a suitable environment, good equipment, and a well-trained staff Fairmont State College aims to offer for its students training that should equip them with vocational and personal fitness for life, and to provide the community with a source of information and culture.

HISTORY

Founded as a private teacher training school in 1865, Fairmont became a state supported normal school in 1867. Housed originally in space provided by a local church, Fairmont State College has since occupied sites at the heads of Adams Street and at Second Street and Fairmont Avenue in the block now containing the United States Post Office. In 1917 the College was moved to its present location on Locust Avenue.

Fairmont State College is the oldest existing normal school south of the Mason and Dixon Line, and the earliest recipient of aid from the George Peabody Fund. Operated as a teacher training school with some academic work on the secondary school level, Fairmont's scope was widened in 1908 when teachers were permitted examinations. In 1924 Fairmont granted its first bachelor's degree in education on the basis of the completion of a four year college course. In 1931 the Legislature changed the name of Fairmont State Normal School to Fairmont State Teachers College. The title was again changed by the Legislature in 1943 to FAIRMONT STATE COLLEGE, and authorization was given to offer Bachelor of Arts and Bachelor of Science degrees. As a result of these developments, Fairmont is now authorized and equipped to offer a wider educational service to the people of West Virginia than ever before in its long history.

CAMPUS

The Fairmont State College Campus consists of about eighty acres with its principal frontage on Locust Avenue Extension. On a commanding site overlooking much of the city of Fairmont, the college is readily accessible to all students by private car or public transportation.

PHYSICAL PLANT

Fairmont State College possesses an unusually modern and well-equipped physical plant.

Administration Building — although the oldest and largest building on the campus, it has just been completely renovated and modernized. In addition to the administrative offices, it houses numerous classrooms and other facilities. Centered by its famous "columns," the Administration Building presents an impressive frontage to Locust Avenue, one of Fairmont's busiest thoroughfares.

Library Building — is a three story structure of steel, concrete, glass and brick. Functional rather than monumental in design, it emphasizes accessibility of books, attractive informal appearance, good lighting, acoustical treatment and mechanical ventilation. In addition to the usual library facilities and services, there is a typing room for use of students, a number of individual study desks and carrells, music listening facilities, study room for textbooks only, two seminar rooms and a moving picture screening room.

At the present time there are over 70,000 volumes, including sets of exclusive government documents, for which the library is an approved depository. The Library receives many daily newspapers and more than 350 periodicals. It also operates a film rental service for the benefit of the several departments and campus organizations. The Library maintains a collection of over 400 albums of records for faculty and student use.

Science Hall — is a large, light-brick building housing the departments of Mathematics, Natural and Biological Science, Home Economics, and Business Administration.

Colebank Gymnasium — is one of the newer campus buildings. It contains two gymnasiums, one for men and one for women. It also contains a fine swimming pool, classrooms, lockers, showers, equipment and office rooms. It is constantly in use by the various activities of the Physical Education Department and the campus generally.

Morrow Hall — is a three-story building which has recently been enlarged by the addition of new wings on each floor. This modernized structure will accommodate 122 women. The College Dining Hall is located nearby.

North Hall — is a new, three-story building with accommodations for 150 women and an apartment for the head resident. Meals are served in the College Dining Hall which is conveniently located in an adjacent building.

Morgan Hall — is a new three-story building located near the main entrance to the campus. This residence will accommodate 84 women in comfortable and beautifully furnished twin-bed rooms. Lobbies, TV viewing and snack bar areas are additional facilities enjoyed by the residents.

Garden Lane Apartments — which will house 90 students in each three-story unit building adjacent to the west side of the campus. The floor plan is laid out in suites for four students. Each suite has a furnished living-dining room, kitchen, bathroom and two twin-bed rooms.

Pence Hall — is a new three-story, light-brick building, located on a commanding site above the main campus. The building has accommodations for 132 men, and a resident manager. A handsome and commodious lounge area is included.

College Dining Hall — A new modern college dining hall with two serving areas was opened to the students in 1967. The dining hall is located conveniently to the campus dormitories.

Arts Building — This modern functional building houses the Fine Arts (Art and Music), Speech and Dramatics, and Industrial Technology Departments. This classroom and laboratory facility is completely air-conditioned.

Field House — situated on Rosier Field, is equipped with dressing rooms, lockers, and showers for visiting and local football and baseball teams.

Rosier Field — situated at the upper end of the campus, is one of the beauty spots of Fairmont. Space is provided for a large football field, practice fields, baseball diamond and parking space. A concrete stadium capable of seating 5,500 spectators is provided. Nearby are tennis courts. A second athletic field has just been completed above the stadium field for physical education, soccer, and practice. Also completed is a field house wing with public toilet facilities, a press box and a concession stand.

President's Home — is a ranch-type structure of brick, situated on a knoll overlooking the main campus.

Student Union Building — A light-brick building, situated centrally on the campus, contains the snack bar, the College Bookstore, a large ballroom, and other social and operating facilities. This building is the center for all student activities on the campus.

One-Room School Museum — was brought to the campus and reassembled as a Centennial project. Open as a tourist attraction, it contains artifacts of yesteryear such as books, stove, recitation bench, school bell, etc.

ACADEMIC INFORMATION

ACCREDITING

Fairmont State College is fully accredited by the North Central Association of Colleges and Secondary Schools and the National Council for Accreditation of Teacher Education. The College also holds membership in the American Association of Colleges for Teacher Education, the Association of American Colleges, the American Council on Education, the National Commission on Accrediting, and the American Association of University Women. These affiliations guarantee to Fairmont State College graduates and students full recognition of their earned credits in other colleges and universities.

DEGREES

The degrees granted by Fairmont State College are Bachelor of Science, Bachelor of Arts, and Bachelor of Arts in Education. For each degree 128 semester hours of credit are required. The number of quality points required for a degree is not less than 256, but may be more, for each student must average two points for each semester hour attempted. This is to say that the quality point average is computed by using all courses entered on the student's permanent record card. No student shall be awarded more than one baccalaureate degree.

ADMISSION

General Admission Procedure—All students desiring admission to Fairmont State College, whether directly from high school or as a transfer student from another college or university, must file an application for admission and health record on forms provided by the Registrar and Director of Admissions. All correspondence relative to admission and all credentials in support of an application must be on file at least two weeks prior to the opening of a semester or term.

Admission of West Virginia High School Graduates—Graduates of approved West Virginia High Schools are eligible if they rank in the upper three-fourths of the graduating class, have completed at least 17 units of work (including the prescribed units cited below), and have no severe health or character defect. The following high school units are required for admission:

English—4 units
    Must be basic English with no substitutes such as speech, journalism, or drama.

Science—2 units
    One of which must be biology. The second unit must be a basic science such as general science, chemistry, physical science, physics, etc.

Mathematics—2 units
    One of which must be algebra.

Social Studies—3 units
    One of which must be American history.

Health and Physical Education—1 unit
    Unless waived by the high school principal upon written recommendation of a physician.

Foreign Language—2 units recommended
Two units should be in the same language.

Students who fail to complete the required pattern of high school units cited above may have certain deficiencies waived as follows: Students who have graduated from accredited high schools may be granted admission if they rank in the upper one-half of their graduating classes and achieve a composite standard score of 17 or more on the American College Test (ACT) and have no more than a single unit of violation in any one subject area or two violations on all areas.

Graduates of approved secondary schools who rank in the lower quarter of the graduating classes may be admitted provided they have attained a composite standard score of 14 or above on the American College Test administered during the senior year or summer prior to admission to college.

Admission of Out-of-State Students—To be considered for admission, applicants whose legal residence is in a state other than West Virginia must rank in the upper one-half of their graduating classes, meet the subject matter pattern required for resident students, complete the ACT test and have the recommendation of their high school principal or counselor. The final decision as to eligibility is based on a combination of the above factors.

Provisional Admission of High School Juniors—Provisional admission will be granted high school juniors who have attained a 3.0 (B) average or better on at least 12 units of the college preparatory curriculum at the end of six semesters of high school work. Final admission may not be granted until graduation from high school.

Foreign Students—To be admitted, the foreign students must demonstrate proficiency in written and spoken English. Such proficiency can be established by the successful completion of the Test of English as a Foreign Language, administrated by the Education Testing Service of Princeton, New Jersey, 08540. Information concerning this test can be secured through U. S. Embassies and Consulates throughout the world or by writing to TOEFL, 1755 Massachusetts Avenue, N.W., Washington, D. C., 20036.

The applicant must also file an application for admission, a health form, and an official transcript of all academic credits and grades. The transcript must be sent by the institution last attended. The application for admission may be secured by writing to the Director of Admissions, Fairmont State College, Fairmont, West Virginia, 26554.

Admission of Superior and Talented High School Students—The West Virginia Board of Education has authorized the admission of a limited number of outstanding high school students, either in the summer following completion of their junior year in high school or on a part-time basis during their senior year in high school on the following basis:

1. Have completed the junior year of the college-bound curriculum of his high school.
2. Have a B-plus, or better, average on high school subjects in the college-bound curriculum.
3. Have the recommendation of his high school principal.
4. File an application for admission and submit transcripts of high school credits and grades.

5. Be approved by the Director of Admissions.

6. Pay regular college fees.

The credit earned under this arrangement is college credit and will be "stored" here and granted to the student when he enrolls in college. Should he enroll in another college, a transcript of the work will be forwarded to that institution. The decision as to whether advance standing credit is granted is, of course, left to the discretion of the receiving institution.

This program is not designed to interfere with the regular high school program. Rather, it affords an opportunity for superior students to accelerate their training if they so desire.

Admission by G. E. D. Test—Non-high school graduates may be admitted by passing the General Education Development Test. They must be veterans, persons over 19 years of age, or persons past the age they would have been had they remained in high school until they graduated. Such persons must have been out of school more than one year proceding application for examination. They will be admitted if they attain a standard score of 40 on each of the five parts of the General Education Development Test or an average standard score of 50 or above on the entire Test. Such students must have no severe character or health defect. G. E. D. scores must be sent directly to the Registrar and Director of Admissions from USAFI or from the testing center.

Admission of Transfer Students—Any applicant for admission to Fairmont State College who has attended another institution of collegiate rank will be classified as a transfer student, whether he has earned credit or not. The college does not under any condition disregard college level credit earned elsewhere. Advance standing credit will not be granted for credit designated as occupational or non-transferrable by the institution attended. Credit earned at other accredited colleges and universities will be allowed toward a degree if applicable.

To be admitted as a transfer student, one must meet the entrance requirements of Fairmont State College, must present evidence that he is in good standing in every respect at the institution last attended, and must have maintained a "C" (2.0) or better average on all college work previously attempted. Students who have been dismissed for academic or social reasons will not be eligible for admission.

Transfer credits are posted on the permanent record as received. All grades received by a transfer student in the college or colleges which he has previously attended must be included in the calculation of his quality point average even though some of the grades do not represent courses for which credit can be granted. Grades earned in other institutions shall not be used to make up a deficit of quality points in this institution.

To be official, a transcript must come direct from the institution issuing it and must bear the official seal of the institution, and the manual signature of the proper authority. The transcript should show the descriptive title of the courses, the year in which the work was done, the number of credits, and the grades. Transcripts, when accepted, become the permanent property of the college and will not be returned to the student. Such transcripts should be sent at least thirty days prior to the opening of the semester or term.

No credit of collegiate grade will be allowed for work done in the former normal training schools, except as authorized by the West Virginia State Board of Education. By the action of the board five-eighths college credit may be allowed for such work up to a maximum of 20 hours, provided credit was earned after graduation from high school.

General Requirements for All Applicants for Admission—All credentials submitted in support of an application for admission become the property of the College and will not be returned to the student. Such credentials include an official transcript of high school or college grades, an application for admission and a health record. The prospective student is responsible for the submission of all necessary forms and records in support of an application for admission.

Admission is for one semester or term and may be used only for that time. If the student fails to register during the semester or term for which he has been admitted, he must file another application if he desires admission at a later date.

Admission does not guarantee housing. Separate applications for dormitory space must be submitted to the Dean of Men or Dean of Women.

Any student admitted upon the basis of false and/or incomplete credentials will be subject to immediate dismissal from the college.

The American College Test—Fairmont State College requires the American College Test (ACT) of all applicants for admission. Scores on this test are used in placing students in English and Mathematics, for applicants for scholarships and loans, and in the academic counseling program. High school students are urged to take the test during their senior year. Financial aid applicants should take the test either in August prior to the beginning of the senior year, or on the October or December dates.

PRE-REGISTRATION

All freshmen and transfer students are urged to pre-register during the summer preceding enrollment. No student will be pre-enrolled unless or until he completes the ACT Test. All new students are expected to pre-register unless they live at such a distance from Fairmont as to make a special trip an undue hardship. It is understood, however, that students who participate in the pre-registration program will be given priority in making schedules.

Transfer students who have been fully admitted may be pre-registered by coming to the campus at a time arranged with the Registrar. All transfer students should avail themselves of this opportunity since it simplifies the transfer process.

A pre-registration period for regularly enrolled students is scheduled each semester. The purpose of pre-registration is to insure students adequate schedules. All students must pre-register if they plan to re-enroll for the following semester or term.

REGISTRATION

At least two weeks prior to registration day an official transcript of credit must be filed in the Office of the Registrar and Director of Admissions for each incoming freshman and each transfer student.

All students are expected to complete registration on the days designated for this purpose at the beginning of each semester or term. Registration by proxy is prohibited. While all students are expected to register on time, late registration periods are permitted within prescribed limits as set forth in the schedule. Late registration fees are assessed in accordance with the fee schedule cited under Special Fees.

SEMESTER HOURS—DEFINITION

The semester hour is the basis of college credit within the institution. A lecture-recitation course meeting one period a week for a semester carries one semester hour of credit; if meeting two periods, two semester hours of credit. Laboratory courses, however, require a minimum of two periods a week for each semester hour of credit.

GRADING SYSTEM

The following system of grading is used within the institution:

A—Superior, given only to students for exceptional performance.
B—Good, given for performance distinctly above the average in quality.
C—Average, given for performance of average quality.
D—Lowest passing grade for performance of poor quality.
F—Failure. Course must be repeated if credit is to be received.
FIW—Failure because of irregular withdrawal.
I—Incomplete, given to a student who misses a part of the course for a reason the instructor recognizes as a valid excuse for delay in completing the assignments. Unless the work missed is completed within a year from the date the mark is recorded, the I automatically changes to an F.
WF—Withdrew Failing, from one class or from college.
WP—Withdrew Passing, from one class or from college.

QUALITY POINTS

The quality of a student's work is indicated by quality points.

Candidates for graduation must have at least twice as many quality points as semester hours attempted; that is, a point-average of 2.00 on all college work and on all work completed at Fairmont State College. Quality points for grades A, B, C, D, are computed as follows:

A—Four (4) quality points for each semester hour of credit.
B—Three (3) quality points for each semester hour of credit.
C—Two (2) quality points for each semester hour of credit.
D—One (1) quality point for each semester hour of credit.

A student's grade average is determined by dividing the number of his quality points by the number of credit hours he has scheduled. No quality points are attached to grades F, FIW, and WF, but the credit hours for the courses in which these grades are received will be used in computing his grade average.

In order to be graduated, a candidate for a degree must have maintained a quality point average of 2.00 or better in all college courses and in all credit earned at FSC. An average of 2.00 must also be maintained in the major and minor fields of study and for the remaining semester hours taken collectively if the student is a candidate for the A.B. or B.S. degree. **If the student is in teacher education, he must attain an average of 2.20 in each teaching field and/or minor assignment.**

Grades earned in other institutions shall not be used to make up a deficiency of quality points in this institution.

It is the student's responsibility to keep informed of his quality point standing. This information can be obtained at any time from the Registrar.

CLASSIFICATION OF STUDENTS

Students who have completed not less than 90 hours of college work are classified as seniors.

Students who have completed not less than 58 hours and not more than 90 hours of college work are classified as juniors.

Students who have completed not less than 26 hours and not more than 58 hours of college work are classified as sophomores.

Students who have completed the high school or secondary course and not more than 26 hours of work are classified as freshmen.

NUMBERING OF COURSES

Courses for freshmen (100 series) and sophomores (the 200 series) constitute the lower level of curriculum. Courses numbered 300-499 are primarily for juniors and seniors. Almost all general education requirements consist of lower level courses which should be completed as far as possible by the end of the sophomore year.

CREDIT FROM A JUNIOR COLLEGE

The maximum credit accepted from a Junior College accredited by the North Central Association of College and Secondary Schools or other regional accrediting associations will not exceed 72 semester hours. No more than 64 semester hous may be accepted from junior colleges which are not regionally accredited. No credit will be allowed for courses completed in a junior college subsequent to attainment of junior or higher rank by the student.

NON-RESIDENT OR OFF-CAMPUS CREDIT

One hundred (100) semester hours of the 128 required for graduation shall be completed in regularly scheduled campus courses. The 28 hours of permissible non-residence courses may be earned by extension, home study (correspondence), radio, television, special examination and/or army service. Credit earned in home study will be accepted only when earned in a regionally approved college.

ASSIGNMENTS AND CREDITS

1. Semester Load: A student who enters at the beginning of a semester may be assigned an 18 hour schedule, but not more, except by permission from the Registrar. An adviser may not give permission for more than eighteen hours.

2. Late Registration Fees. See schedule of fees for late registration. It should be understood, however, that late registrants often fail to obtain satisfactory schedules, for the policy and practice of the College is to give priority to students who register on the dates for regular registration.

3. Schedule Changes: Students must petition the Committee on Admissions and Credits to make schedule changes after the third week of a semester or the second week of a summer term. Students may not add new classes to their schedule after the period of registration has ended.

4. Withdrawal from College: A student desiring to withdraw from the College will apply at the Registrar's Office. Here forms will be obtained, which when completed with the proper signatures and returned to the Registrar's Office, will constitute an official withdrawal. The instructor records on the Final Grade Report to the Registrar, a W for students withdrawing during the first six weeks of a semester or two weeks of a summer term. In case the official drop notice is issued after one-third of the semester or term, the instructor will record either WP or WF at the end of the period of enrollment.

5. Withdrawal from Classes: During the first six weeks, upperclassmen (27 or more hours of earned credit), upon petition, may drop classes with grades of W being recorded. From the end of the sixth week to the end of the ninth week, upperclassmen may petition to drop one or more classes with grades of WP or WF (depending upon grade being earned at the time) being recorded. After the end of the ninth week, upperclassmen may not withdraw from individual classes. During the first six weeks, freshmen (1 to 26 hours of earned credit), upon petition, may drop classes with the grade of W being recorded. From the end of the sixth week to the end of the twelfth week, freshmen students may petition to drop one class only. If approved, a grade of W will be recorded for the dropped class. If additional classes are dropped during this period, grades of WF will be recorded. After the end of the twelfth week, no withdrawals from individual classes may be made. Such grades will be used as a part of the student's record for the semester in determining his eligibility for enrollment later.

A student who withdraws from the college without formal notice to the Registrar will receive at the end of the semester a grade of "FIW" in each subject for which he is registered.

6. Repeating a course: With the approval of his adviser, a student may repeat a course in which he has received an F or a D. When this is done, both grades will be recorded and used in computing the student's point average. A student may not repeat a course in which he has earned a C or better.

7. Minimum Residence Requirements for Graduation: For a degree, at least one year's work in residence is required, one semester of which must be in the senior year. A "year of residence" must represent not less than 32 week's work in residence and 32 hours credit. A semester is defined as a minimum of 18 weeks and 16 hours credit.

Exception is made in the case of any student who has completed three years of required work in Fairmont State College and who wishes to complete the senior year by substituting approved credit earned subsequently in a college of medicine or dentistry.

8. Application for Graduation: Candidates for graduation must make official application for a degree at least 45 days before Commencement Day. Applications will be filed with the Registrar.

9. Assignment and Credits: Regularly enrolled students who desire to complete work at another accredited institution on a transient basis must secure written permission of the Registrar and Director of Admissions to do so. Transient credit completed without permission will not be accepted.

DEAN'S LIST

Students who are registered for twelve or more hours and who do not withdraw from a class during the semester, and receive a grade point average of 3.2 are considered honor students and named to the "Dean's List."

FRESHMAN HONORS LIST

Freshmen at Fairmont State College who earn an average of 3.5 or better on minimum load of 16 semester hours for the first semester of their college enrollment are distinguished by being named on the "Freshman Honors List."

GRADUATION WITH HONORS

Candidates for graduation who have achieved special distinction in academic work are graduated with honors. Honors are determined by the cumulative quality point average of student's work at graduation. Three grades of honors are recognixed: **cum laude** for a point average of 3.0 to 3.49; **magna cum laude** for a point average of 3.50 to 3.74; and **summa cum laude** for a point average of 3.75 or better. Averages are based upon the entire academic record of the student, excluding grades earned during the last semester or term.

TRANSCRIPTS

Every student at Fairmont State College in entitled to one official transcript of his record free; for each additional copy a fee of one dollar ($1.00) will be charged. **No student who fails to meet his financial obligations to the College, or any department of the college, will be given a transcript.**

An application for a transcript of credit should furnish the date of last attendance at Fairmont State College, and a married woman should give both her maiden and married names. All requests for transcripts should be sent directly to the Registrar.

AUDITORS

Students who are registered in Fairmont State College may be permitted to attend classes as auditors provided they shall have obtained the written permission of their advisers and of the instructors in the classes they desire to visit. No person who enrolls in any class as an auditor may in the same semester, term or later be considered as enrolled in this class for the purpose of obtaining credit. In no case whatsoever will auditing be regarded as a factor in obtaining credit.

Students eligible to attend classes as auditors may obtain proper permission blanks from the Registrar. Other persons, even if not registered students, may attend classes as auditors upon securing permission from the Registrar and from the instructors involved, upon payment of the regular fee. Auditors are required to complete the regular registration forms.

ATTENDANCE AND ABSENCES

Attendance. A student is expected to attend regularly class and laboratory sessions on courses for which he is registered. Regular attendance is a prerequisite for the successful completion of a course of study and is an integral part of a student's educational experience. Failure to attend class regularly may result in lowering of the class grade, or may lead to failure in the course.

Absences. In the administration of its attendance policy, the College distinguishes three kinds of absences: (1) an institutional absence results from participation in an activity in which the student officially represents the College; (2) an unavoidable absence results from illness, death in the immediate family, or unnatural causes beyond the control of the student; (3) all other absences are willful. It is the responsibility of the student to provide his instructor with a satisfactory explanation of institutional or unavoidable absence. Failure to do so automatically makes the absence willful. Persistent willful absence is cause for failure in the course. The matter of attendance and absence lies between the instructor and the student.

Responsibility for Class Work. Irrespective of the nature of the absence, a student is responsible for maintaining his personal academic standing. In the case of institutional and unavoidable absences, an instructor will provide the student an opportunity to make up work. The student, however, bears the responsibility for making arrangements with each instructor for completing assignments and tests. In the case of willful absence, an instructor is not responsible for the make-up work.

REPORTS TO STUDENTS

The grades of all students are reported by each faculty member to the Registrar at the middle and end of the semester. Faculty advisors are provided complete grade reports at each reporting period. Students receive grade reports at mid-semester and again at the end of the semester. The grade reports of freshmen earning one or more grades of "D" or lower are forwarded to the parents at mid-semester by the Director of Student Personnel.

SPECIAL EXAMINATIONS FOR COURSE CREDIT

Students may take special examinations to qualify for credit in certain courses. For further information as to the courses covered in this manner, students should contact the Student Personnel Office. All tests are administered by the College Testing Service.

Applications must be made to the Registrar for permission to take a special examination. To qualify for permission to take such an examination, an applicant must be enrolled or must have completed successfully one semester or summer session in Fairmont State College. The applicant must, in addition, establish eligibility in regard to his background in the area concerned. In order to gain college credit by special examination, the student must demonstrate better than average proficiency in the course. Examinations will not be given for courses in which the student has obtained a low grade previously.

Applicants must pay a fee of $3.00 for each special examination, if regularly enrolled at the time of taking the examination; otherwise the fee is $2.50 per semester hour of credit to be received. A receipt for the payment of the fee must be obtained from the cashier's office. No money will be refunded if any examination is failed. No examination may be repeated.

First semester freshmen may establish course credit by examination in the following courses without the payment of special examination fees: English 104—Written English—3 hours; French 101 and 102—Elementary French—6 hours; Home Economics 101—Principles of Clothing Construction—2 hours; Home Economics 201—Principles of Food Selection and Preparation—3 hours. An additional condition precedent to the granting of credit is enrollment by the student in the next higher course.

Based on the high school record and performance on the ACT, the Registrar will prepare a list of students who will be eligible to take the final test for credit. The procedure for establishing eligibility to take the examination for credit is as follows:

> **English**—A "B" average in four units of high school English and a percentile score of 75 or above on the English part of the ACT, using college-bound norms.
>
> **French**—A "B" average in two units of high school French and a percentile score of 75 or above on the English part of the ACT, using college-bound norms.

Advance Standing—Students who are majoring in foreign languages will be granted advance standing credit for required lower level courses if they are able to complete higher level courses with grades of "C" or better. For example, a student presenting two or more high school units of French should normally enroll in French 201, Intermediate French. If a grade of "C" or better is earned in French 201, credit is established for French 101 and 102.

The Director of Student Personnel will notify eligible students of the time and place of the advanced placement examinations to be given during orientation week. Tests will be administered by the Director of Student Personnel.

ENGLISH PERFORMANCE EVALUATION

All students enrolled after June 1, 1962, are to be evaluated for competency in the use of English. The evaluation is as follows:

a. Students who are awarded letter grades of A, B, or C in the course English 108 shall be judged competent in the use of the English language.

b. Students who receive a D in English 108 are required to write a paper and those whose papers are judged by the English Performance Review Board to be below acceptable standard must enroll in English 108R, a remedial English composition course, the next time that course is offered.

c. English 108R shall be taken without credit until the instructor of the course is satisfied that the student is capable of acceptable usage of the English language.

d. After the completion of a semester of English 108R the instructor may at his own discretion submit for evaluation representative essays from any student to a committee of the English faculty appointed by its chairman. This committee, which shall be known as the English Performance Review Board, shall be empowered to make recommendations to the instructor with regard to individual cases.

PROBATION AND SUSPENSION

1. If and when a student becomes 10 or more points deficient, he will be placed on probation.

2. If and when a student becomes (or remains) 20 or more points deficient while on probation, he will be suspended.

3. If a student remains on probation for three consecutive semesters, he will be suspended.

4. To be removed from probation, a student must establish an average of 2.00 in all work attempted.

5. Twelve or more calendar months after his suspension a student may petition for readmission.

6. A student, 20 or more quality points deficient, if conditionally readmitted, must reduce his quality point deficiency by at least 8 quality points per semester or be suspended.

7. Two suspensions from any institution(s) of higher education are final.

8. The status of any student transferring from another institution of higher education will be determined in accordance with the above rules.

CATALOG POLICY

A student who enrolls at Fairmont State College shall follow the provisions of the catalog in use at the time of his admission. Transfer students will use the catalog current at the time of their admission to the other institution, provided that the graduation date would be not more than five years from date of first enrollment in college.

Any student who has interrupted his schooling for more than one year, reckoned from one fall registration to the next, will become subject to the provisions of the current catalog. An exception will be made if the interruption is caused by service in the armed forces.

All students seeking readmission as a result of academic suspension will be enrolled under the current catalog.

INSTITUTIONAL TESTING PROGRAM

Standardized comprehensive tests must be taken by every student at two points during his college career. The tests are required for graduation. All candidates for a baccalaureate degree must take the College Comprehensive Test near the end of their sophomore year. Students graduating with the Bachelor of Arts in Education must take the National Teachers Examination near the end of their senior year. Students graduating with the Bachelor of Arts (non-teaching) or Bachelor of Science degrees must take the Graduate Record Examination near the end of their senior year.

COLLEGE FEES

ENROLLMENT FEES:

West Virginia Students:

Tuition (8 hours and above)	$ 25.00
SPECIAL REGISTRATION FEE (12 hours and above)	50.00
Student Activity Fee	14.50
Course Fee	5.00
Student Union Fee	15.00
Testing Fee	1.00

*Non-Resident Students:

Tuition (8 hours and above)	$175.00
SPECIAL REGISTRATION FEE (12 hours and above)	125.00
Student Activity Fee	14.50
Course Fee	5.00
Student Union Fee	15.00
Testing Fee	1.00

Part-Time Fees, West Virginia Students:
Regular Semester (Less than 8 hours):

1 Semester Hour	$ 5.00 plus $2.00 Course Fee
2 Semester Hours	8.00 plus 2.00 Course Fee
3 Semester Hours	10.00 plus 2.00 Course Fee
4 Semester Hours	13.00 plus 2.00 Course Fee
5 Semester Hours	16.00 plus 2.50 Course Fee
6 Semester Hours	19.00 plus 3.00 Course Fee
7 Semester Hours	22.00 plus 3.50 Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour

All part-time students must pay a Student Union Fee.
1 to 4 hours inclusive $6.00. 5 to 7 hours inclusive $8.00.

Testing Fee	1.00

Part-Time Fees, Non Resident Students:
Regular Semester (Less than 8 hours):

1 Semester Hour	$ 15.00 plus $2.00 Course Fee
2 Semester Hours	30.00 plus 2.00 Course Fee
3 Semester Hours	45.00 plus 2.00 Course Fee
4 Semester Hours	60.00 plus 2.00 Course Fee
5 Semester Hours	75.00 plus 2.50 Course Fee
6 Semester Hours	90.00 plus 3.00 Course Fee
7 Semester Hours	105.00 plus 3.50 Course Fee

SPECIAL REGISTRATION FEE (1 to 11 hours inclusive), $10.00 per credit hour.

Testing Fee	1.00

All part-time students must pay a Student Union Fee.
1 to 4 hours inclusive $6.00. 5 to 7 hours inclusive $8.00.

STUDENTS CARRYING 8 HOURS AND ABOVE ARE REQUIRED TO PAY THE STUDENT ACTIVITY FEE OF $14.50.

All Day Students ID card fee $1.00.

Pre-registration fee of $15.00 must be paid by all in-coming Freshmen, transfer students, and students returning after an absence of one semester or term. This fee is non-refundable.

SUMMER SCHOOL FEES:

West Virginia Students:

Tuition (4 hours and above) one term	$ 15.00
Tuition (4 hours and above) two terms	30.00
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Activity Fee (Payable one term only)	2.00
Course Fee $2.50 (payable each term)	5.00
Student Union Fee (payable one term only)	15.00
Testing Fee (payable each term)	.50

Non-Resident Students:

Tuition (4 hours and above) one term	$ 58.00
Tuition (4 hours and above) two terms	116.00
SPECIAL REGISTRATION FEE	$10.00 per credit hour
Student Activity Fee (payable one term only)	2.00
Course Fee $2.50 (payable each term)	5.00
Student Union Fee (payable one term only)	15.00
Testing Fee (payable each term)	.50

Part-Time Student Fees, West Virginia Students:

1 Semester Hour	$ 5.00 plus $2.00 Course Fee
2 Semester Hours	10.00 plus 2.00 Course Fee
3 Semester Hours	15.00 plus 2.00 Course Fee
SPECIAL REGISTRATION FEE	$4.00 per credit hour
Student Union Fee (1 to 3 hours inclusive)	8.00
Testing Fee (payable each term)	.50

Part-Time Student Fees, Non-Resident Students:

1 Semester Hour	$15.00 plus $2.00 Course Fee
2 Semester Hours	30.00 plus 2.00 Course Fee
3 Semester Hours	45.00 plus 2.00 Course Fee
SPECIAL REGISTRATION FEE	$10.00 per credit hour
Student Union Fee (1 to 3 hours inclusive)	8.00
Testing Fee (payable each term)	.50

AUDITING FEE:

Auditing Fee is the same rate as the Semester Hour Fee.

NON-CREDIT COURSES:

The fee for non-credit courses, institutes, conferences, etc., is equivalent to the auditing fee:

a. Minimum enrollment of fifteen:
   1. Equivalent of one semester hour credit, $10.
   2. Equivalent of two semester hours credit, $20.
   3. Equivalent of three semester hours credit, $30.

b. Enrollment of less than fifteen:
   1. Pro-rate increase in fee to equate minimum enrollment.

SPECIAL FEES:

**Chemistry Breakage Fee	5.00
Late Registration Fee:	
1st day	$ 10.00
2nd day	12.00
3rd day	13.00
4th day	14.00
5th day	15.00
Graduation Fee (Inc. cap and gown)	9.00
Freshman Orientation Fee	1.50
Transcript Fee (First Transcript is furnished free)	1.00
Special Examinations for course credit (Regularly enrolled students)	3.00
Special Examinations for course credit (Non-enrolled students) per semester hour	2.50

Fees for Industrial Education

All courses in Industrial Education in which laboratory and demonstration materials are included will require an additional fee of $2.00 per credit hour. Students will pay the actual cost of personal projects constructed in laboratory classes.

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* The term "resident" as hereinafter used refers to classification for fees purposes only.

** Assessed each student enrolled for any chemistry, laboratory course. Unused portion, if any, will be refunded at end of school year. In event of unusual breakage, an amount to cover same may be assessed.

REGULATIONS GOVERNING CLASSIFICATION OF STUDENTS FOR ASSESSING TUITION FEES—REVISED July 25, 1966

The following definitions, general policies, and regulations will apply to non-resident students:

The term "residence" as used in these regulations refers to the actual physical location of a person and is to be used solely for the purpose of assessing tuition fees.

The residence status of a student is determined at the time of his first registration at a state college or university, and his residence is not changed by his attendance as a student at such college or university. This policy shall apply to both graduate and undergraduate students regardless of any scholarships, student assistantships, loans or graduate assistantships that may be granted to any student.

A non-resident student is hereby defined to be a student of less than twenty-one years of age, living away from his family and whose family resides in another state, or whose family has not resided in West Virginia for the twelve consecutive months immediately preceding the date of first registration; or a student of twenty-one years of age or over, who resides out of the state or who has not been a resident of the state twelve months subsequent to his twenty-first birthday or for the twelve months immediately preceding the date of first registration.

The residence of one who is under twenty-one years of age is that of the father. Upon death of the father, the residence of the minor is that of the mother. Upon divorce of the parents, the residence of the minor is determined by the residence of the person to whom custody is granted by the court. In the absence of any grant of custody, the residence of the father continues to control. Upon the death of both parents, the residence of the minor continues to be that of the last surviving parent until he becomes twenty-one.

Individuals who have come from without the State of West Virginia and who register in a state college prior to having resided in the state for a period of twelve months shall be classified as non-resident students; and such non-resident student classification shall be presumed to be correct as long as the residence of such individuals in the state is during their attendance at educational institutions, regardless of whether such individuals have become qualified voters, have registered motor vehicles and paid personal property taxes thereon, have obtained West Virginia drivers' licenses, or have otherwise attempted to establish residence within the state.

A student under twenty-one years of age shall not be classified as a resident student until his parents have resided in this state for at least twelve consecutive months immediately preceding the date of current registration. A West Virginia student whose parents or guardian move out of the state of West Virginia after his original enrollment, will automatically become liable for the non-resident fee at the next registration period after twelve months following removal of parents or guardian.

Individuals of twenty-one years of age or less whose families have not resided in West Virginia for the twelve months immediately preceding the date of first registration shall be classified as non-resident students regardless of whether such individuals have become the legal wards of residents of West Virginia or have been adopted by residents of West Virginia while such individuals are attending educational institutions in West Virginia or within a year prior to such an attendance or under circumstances indicating that such guardianship or adoption was for the purpose of obtaining status as a resident student.

The residence of a minor student assigned to a guardian shall be considered affected by such assignment, beginning twelve months after the appointment of the guardian; the provisions stated above with respect to parents' residence shall then apply to the guardian's residence.

An alien who has taken out his citizenship papers and has resided in West Virginia for twelve months immediately preceding the date of his enrollment in a state college shall be regarded as eligible for registration as a West Virginia student.

Persons who are moved into the state as the result of military orders from the government, or the minor children of such persons, are entitled to admission as in-state students beginning twelve months after establishing residence in the state.

Marriage, alone, to a West Virginia resident will not change the status of a non-resident student in a West Virginia State College. Employment of his spouse does not change his status.

An individual on active Federal military service may be classified as a resident for the purpose of payment of fees providing that he resided in West Virginia for a period of twelve months continuously prior to entrance into military service, that he entered the military service from West Virginia, and that he has at no time while in military service claimed, or established, residence in any other State of the United States or its possessions. Sworn statements attesting to these conditions may be required. The wife of such individual as described above, and children under the age of twenty-one shall also be classified as residents of the State of West Virginia for fee purposes.

The student must have the question of his residence passed upon prior to registration and payment of fees. The responsibility of registration under proper residence is placed upon the student. If there is a possible question as to residence, the matter should be brought to the attention of the Admissions Officer and passed upon at least two weeks prior to registration and payment of fees. Any student found to have made a false or misleading statement concerning his residence shall be subject to dismissal from the college.

PAYMENT OF TUITION AND FEES:

The regulations of the West Virginia Board of Education provide that "No financial credit of any type shall be extended to any individual either student or other, at any state college or institution. All colleges and institutions shall operate strictly on a cash basis with all payments and obligations being collected in advance. All tuition and fees must be collected in full for each semester on enrollment day for each semester."

REFUND POLICY FOR TUITION AND FEES:

A student who withdraws regularly from the college may arrange for a refund of his fees in accordance with the following schedule. Refunds are determined from the first day of the school term which begins officially with Freshman Orientation Week.

18 Weeks (Semester)

During first and second weeks	90%
During third and fourth weeks	70%
During fifth and sixth weeks	50%
Beginning with seventh week	No Refund

5 Weeks (Summer Term)

During first day	90%
During second day	70%
During third day	70%
During fourth day	50%
During fifth day	50%
Beginning with second week	No Refund

RESIDENCE HALL EXPENSES—MEN AND WOMEN

Room Rent (18 Week Semester) $144.00 per semester per person.

Room Rent (Five Week Term) $40.00 per student—occupancy two students per room.

Room Rent (Five Week Term) $45.00 per student—occupancy one student per room.

Board (18 Week Semester) $225.00

Board (Five Week Term) $62.50

A three percent Consumers Sales Tax is payable on all Room and Board charges.

PAYMENT ON ROOM AND BOARD:

Room Rent (18 week semester) must be paid in full on Registration Day.
Board (18 week semester) must be paid in advance either on a semester or a quarterly basis.
Room Rent (5 week term) must be paid in full on Registration Day.
Board (5 week term) must be paid in full on Registration Day.
Board and Room Rates are subject to change.
(All fees are subject to change by action of the West Virginia Board of Education.)

ROOM RESERVATIONS:

Applicants for room reservations in College residence halls must pay a $80.00 deposit at the time the room application is filed with the College. **(This amount is subject to change at any time.)** The deposit will be credited to the applicant's room rent account.

Notice of cancellation of room reservations must be received by the College by May 1. Otherwise the total amount of $80.00 will be forfeited. (Exception: Should the application be denied by the Director of Admissions, a full refund will be made without regard to dates.)

Not more than ten per cent of available living space in any campus dormitory may be assigned to out-of-state students.

STANDARDS FOR DORMITORY LIFE:

1. All students not living at home are required to live in residence halls, unless other arrangements are made with the Dean of Men or the Dean of Women.

2. Students already living in dormitories are required to make an advance deposit of $80.00 to be applied on room rent at the time the application for a reservation is made for the following year. This deposit shall be forfeited if the applicant does not remain in college and the college notified of a cancellation by June 15. (An exception will be made in cases of academic suspension.)

3. A $20.00 breakage fee shall be deposited at time of registration.

4. All students living in campus residence halls must take their meals in the college dining hall.

5. No evening meal will be served in the college dining hall on Sunday.

6. Residence halls will be closed during the Thanksgiving, Christmas and Spring recesses.

7. Room rental for a semester must be paid in full on Registration Day.

8. Board must be paid in advance either by the quarter or by the semester.

9. Dormitory residents must furnish curtains, bedspreads, blankets, pillow, wastebasket, and study lamp.

10. All dormitory students except residents of Garden Lane apartments must subscribe to a linen service that supplies fresh bed linens and towels weekly.

11. A student who is absent from a residence hall for seven or more consecutive days will not be charged for meals, provided that the Food Director is notified in advance. No deduction in room rent, however, will be allowed regardless of the cause of absence. There is no refund of room rent to students changing residence during a term or semester, or to students withdrawing during a term or semester.

12. Students are not permitted to move from the dormitories during the school year except to withdraw from school.

13. In cases where a preponderance of circumstantial evidence of stealing exists the student's room will be searched in his presence by the Social Dean.

14. If there are no vacancies in the dormitories and a student must live off-campus, such living quarters must be approved by the Dean of Men or the Dean of Women before they may be occupied. A file of approved rooms for rent is maintained in the offices of the Deans.

A student living off-campus must show his correct, complete local address, as well as the name of his landlord, on his schedule cards. This registration of local address must be completed within 24 hours after the student establishes living quarters in the Fairmont area.

Any changes in local addresses made during the school year must be reported to the office of the Dean of Men or Dean of Women immediately.

STUDENT WELFARE

STUDENT PERSONNEL SERVICES

Fairmont State College maintains many services of great value to all students with the aim of assisting each student to adjust to his school environment and get the most from his college experience. A centrally organized student personnel program is provided through the Office of the Director of Student Personnel. The services include freshman orientation; testing, educational, vocational and personal counseling; placement service after graduation; student employment on and off campus; financial aid information; student insurance; and other services pertinent to student welfare in general.

All students enrolled for eight or more hours of credit must have an identification (I.D.) card. This card is used as identification for and admission to school activities. The picture for the card will be taken at the time of pre-registration in the summer or in the fall for students who do not pre-register. The student pays $1 for the card, which is good for the entire period of attendance. It must be validated in the Office of Student Personnel each semester.

HOUSING

Pence Hall is a modern dormitory providing living quarters for 132 men. It is located on the hill above the main portion of the campus and commands a splendid view of much of the campus and surrounding area.

Four modern conveniently located dormitories are available for women. On campus is Morrow Hall built in 1922, renovated and refurnished in 1959, and North Hall completed in September, 1964. Privately owned dormitories adjacent to the campus are Morgan Hall built in 1965, and Garden Lane Apartments built in 1966.

All dormitories feature built-in wardrobes, study desks and book shelves. Within each resident hall there are facilities which will create a homelike atmosphere. Included are lobbies, lounging and recreational areas, vending machines and coin-operated laundry equipment.

Fees charged for residence in campus dormitories are listed under Residence Hall Expenses.

TESTING AND COUNSELING

The Office of Student Personnel provides a testing and counseling service designated to assist students in making more intelligent personal, academic, and vocational choices. Trained personnel are maintained to administer and interpret tests. For the most part students seek this service voluntarily. Special remedial assistance is available to students who are deficient in reading vocabulary and study habits.

PLACEMENT SERVICE

This service is available to all persons graduating from the college and to those who receive teaching certificates through its recommendation. All seniors are urged to register prior to graduation. Alumni who hold degrees or certificates are welcome to register. Assistance in placement in all fields of employment relative to occupational instruction furnished by Fairmont State College is offered.

FRESHMEN ORIENTATION

Freshmen students arrive on the campus in advance of the upperclass students. During a week's period they become acquainted with the campus, buildings, and equipment, and various student activities. They are given tests which are for the purpose of assisting them in getting properly placed in their college courses and major fields of study. After scheduling classes in consultation with faculty advisors, they become formally registered for their first year of college work. Throughout the orientation period freshmen are assisted and guided by trained student counselors who are sympathetic with their special problems.

ADVISOR SYSTEM

Each student is assigned an academic advisor at the time of his first enrollment in Fairmont State College. The student's academic advisor is the chairman or a staff member of the department in which the student has chosen his major field of study.

If the student desires to change his major field of study, he should contact the Student Personnel Director for assignment to the appropriate advisor. Students who are not ready upon entrance to select a major department will be assigned to special advisors by the Student Personnel Director.

It is to his academic advisor that a student will take all problems relating to course requirements, class schedules, pre-registration, and registration.

GENERAL REGULATIONS

Fairmont State College expects its students to observe the standards of good citizenship, both on and off the campus. Regulations of the State Board of Education empower the president and faculty to take such steps as may be needed to enforce these standards.

For Women

1. College women are not permitted to visit men's quarters.
2. A woman student who marries while in college must present legal evidence to the Dean of Women. She is also responsible for seeing that all college registration records bear her legal and accurate name and address. Failure to comply with this regulation may result in suspension.
3. Posing as a single student when there has been a secret marriage is a violation of college policy and is subject to disciplinary action.

Cheating and Thievery

The initial premise in formulating rules to determine the action to be taken in case of cheating and thievery is that the character of the offense should control the punishment. Casual glancing at a neighbor's paper is quite different from pre-arranged collusion whereby one receives notes, signals, or exposed answers from another person. Breaking into an instructor's quarters for any purpose whatsoever is a crime punishable by law. The punishment therefore ought to be in direct relation to the character of the offense. The following rules are formulated with this premise as the basis.

1. A student who is observed to be glancing at his neighbor's paper should be warned by the instructor that these actions are evidence of cheating. Should the student repeat the performance, the instructor should order him to turn in his paper and leave the room. In all cases an "F" should be recorded for the quiz or examination. Should the student repeat this performance at a later period, he should be dismissed from class permanently and an "F" recorded for the semester.

   All such cases should be reported to the Deans of Men and Women promptly. Habitual offenders—those who have been cited for cheating in more than one class—are to be brought before the Disciplinary Committee promptly. The Committee will decide what action should be taken with the understanding that only extenuating circumstances will temper the punishment.

   When the evidence is clear that a student has brought notes to class, has developed a system of signals, or has been in collusion with another in any way, he will be dismissed summarily from class and a grade of "F" recorded. Instructors are reminded that they are responsible for obtaining clear and convincing evidence.

2. Thievery ordinarily is more serious than cheating. Often, however, the two are associated. The stealing of a notebook or textbook for one's own use may be rationalized in various ways. There are some who succumb to this temptation who would not think of taking money, clothes, or other articles. It often happens that a student picks up a book with the intention of returning it shortly. Procrastination produces an extended period of possession in which borrowing becomes stealing. Numerous cases of taking another's book and selling it are known. By no type of reasoning can this be identified as anything other than stealing. The first case calls for tempered action; the second normally should result in expelling the offender promptly.

   Any student who enters the quarters of an instructor and removes examination materials or in any way alters records has committed a flagrant act of cheating. If he should have forced entrance into the quarters, the offense becomes quite serious.

   Unless extraordinary reasons for clemency exist, the offender should be expelled from the College. Indeed, the circumstances may call for legal action. This is certainly true if the removal or destruction of property occurs.

LOAN FUNDS, SCHOLARSHIPS, AND OTHER STUDENT AID

The scholarship and loan funds of Fairmont State College are available to worthy undergraduates who need assistance in meeting their college expenses. All funds are administered by the Financial Aids Committee, unless otherwise indicated. Applications for scholarships and loans should be made to Chairman, Financial Aids Committee.

PHILOSOPHY OF FINANCIAL AID

1. All academically capable students should attend college.

2. Any student who needs financial assistance should be willing to work part-time after the first semester's attendance at Fairmont State College.

3. Financial assistance is not designed to support luxuries nor should a student expect assistance just because he wants to be married.

4. After one year's attendance and an overall "C" average, no student need leave school for financial reasons.

5. Financial assistance is not intended to replace the responsibility of the parents. It is to supplement that which the home can and should provide.

LOANS

The loan program at Fairmont State College serves three functions.

1. Supplement the assistance needed by scholarship students.

2. Provide assistance to academically superior students who do not qualify for a scholarship.

3. Provide emergency short-term loans (not to exceed 90 days) to students who have a minimum "C" average.

To qualify for a loan a beginning student must:

1. Meet all entrance requirements as prescribed by the West Virginia Board of Education and by Fairmont State College.

2. Rank in the upper one-fourth of his high school graduating class or have a composite standard score of 20 or higher on the ACT. Transfer students must have an overall "C" average.

3. Provide evidence of financial need by completion of prescribed application.

LOANS AVAILABLE

The National Defense Student Loan Program

Any student interested in entering Fairmont State College and who can meet the above qualifications may apply.

Important facts pertaining to this loan are:

1. The loan funds are allocated by the Federal Government on a matching basis. The College must provide 10 percent of the total amount to be loaned each year. This amount is to be determined by the United States Office of Health, Education and Welfare.

2. The College is limited as to how much it can lend each year.

3. An individual loan will be based on the actual need for basic expenses; tuition, room and board, books, fees, etc. The maximum loan is $750 for the freshman year and $500 per year for each of the next three years. A student having a loan will be expected to work, if needed, as a student employee on campus after one semester's attendance at Fairmont State College.

4. There is no interest on a loan until nine months after the applicant ceases to be at least a half-time student in this or some other institution of higher education. Simple interest of 3 percent per year begins on the unpaid balance at this time. A maximum of ten years is allowed to repay the amount borrowed, depending upon the amount owed.

5. The loan, and interest thereon, of any borrower who serves as a full-time teacher in an approved elementary school, secondary school, or college within the territorial limits of the United States shall be cancelled at the rate of 10 percent of the amount of the loan plus interest thereon for each year of teaching for the first five years of teaching service.

Additional teacher cancellation benefits are available for those who are willing to teach in an area disignated by the Commissioner of Education to be an economically deprived area. This cancellation amounts to 15 percent per year plus interest, and the full amount of the loan may be cancelled. No more than 25 percent of the schools in a given school district can come under this special provision.

In effect, the provisions of this loan make the loan a scholarship, partial or complete, for teachers.

6. Students who serve in the military forces, Peace Corps, or VISTA, receive deferred repayment and no interest for a maximum of three years while serving in one or another of the above.

7. Any student receiving this loan must sign an "Oath of Affirmation," which states, "I do solemnly swear that I bear true faith and allegiance to the United States of America and will support and defend the Constitution and laws of the United States against all its enemies, foreign and domestic."

8. Notes must be co-signed by parent or guardian if the student is under 21 years of age.

For further information and application blanks write:

Chairman, Financial Aids Committee

Fairmont State College

Fairmont, West Virginia 26554

The Claude Worthington Benedum Loan Fund

This loan is available to West Virginia residents only. The maximum loan is $300 in a school year. There is no interest while a full-time student at Fairmont State College. Complete repayment must be made within three years after graduation or ceasing to be a full-time student with an interest rate of 4 percent the first year and 6 percent the second and third years. The note must be co-signed by a parent or guardian.

United Student Aid

To be eligible for this loan, the student must be at least a sophomore, have an overall average of "C" or better, and have attended Fairmont State College for at least one semester.

1. The parent or guardian must consent to the loan, but does not assume a financial obligation.

2. Loans are made by the student's home town bank.

3. Interest cannot exceed six percent simple.

4. Repayment begins the first day of the fifth month after graduation. If the student leaves school before graduation repayment begins within 30 days.

5. Minimum repayment is $30 per month and cannot exceed $100 per month.

6. While the maximum loan approved by the National Foundation which underwrites the loan is $1,000 per year, Fairmont State College does not approve a loan in excess of $500 per year.

Guaranteed Loans

A new provision of the Higher Education Act of 1965 provides for loans through the home town bank as described under the section above titled United Student Aid. In effect, the provisions are identical with the above except that the Federal Government will pay the interest during the time that the student is enrolled full-time in any institution of higher education and 3 percent of the interest during the payout period which begins three months after leaving full-time attendance, and freshmen are eligible.

The only difference in this and the National Defense Student Loan is that the Guaranteed Loan does not have a teacher cancellation clause.

Educational Opportunity Grant

The Higher Education Act of 1965 provides grants of money to students from low income families. The amount of the grant can range from $200 to $800 depending upon need as evidenced by the family financial statement. These grants are made in the form of a package aid award—so much Educational Opportunity Grant, so much loan, and so much student employment. One-hundred percent financial aid can be provided if the family is not capable of making any contribution. All financial aid applications are reviewed to determine whether or not each applicant might be eligible for this form of assistance. The law provides that the family income for consideration be based as follows:

Parents and 1 dependent child	$3,200
Parents and 2 dependent children	4,000
Parents and 3 dependent children	4,700
Parents and 4 dependent children	5,300
Parents and 5 dependent children	5,800
Parents and 6 dependent children	6,200
Parents and 7 dependent children	6,600

and $400 for each additional dependent

Crystal-Miller-Morris Short Term Loan

An emergency loan not to exceed $250 and must be repaid within 90 days. Interest is $.25 per month. The note must be co-signed by a parent or guardian. The applicant must have a "C" average or better and have attended Fairmont State College at least one semester.

SCHOLARSHIPS

Fairmont State College does not have sufficient scholarships to award to all academically deserving students who also have financial need. The Financial Aids Committee examines the applicant's academic background (high school transcript and ACT scores) first and then searches for evidence of financial need.

To be eligible for a scholarship, a student must:

1. Be a West Virginia resident and a graduate of a West Virginia high school.
2. Meet all entrance requirements as prescribed by the West Virginia Board of Education and by Fairmont State College.
3. Must rank in the upper one-fifth of the high school graduating class or have a composite standard score of 22 or higher on the ACT.
4. Produce evidence of financial need.

Application should be made by March 15.

SCHOLARSHIPS AVAILABLE

West Virginia Board of Education Teacher Scholarships

These scholarships are for entering Freshmen and they pay tuition and registration fees ($75 per semester) for four years so long as a satisfactory academic average is maintained. Five are awarded to prospective elementary teachers and five to prospective secondary teachers each year. The recipients are obligated to remain in West Virginia and teach for four years after graduation or repay the amount of money advanced.

West Virginia Board of Education General Scholarships

These scholarships are for entering Freshmen and they pay tuition and registration fees ($75 per semester) for four years so long as a satisfactory average is maintained. The number to be awarded is determined by the school enrollment the previous year. No obligation is placed on the recipient of this scholarship.

Claude Worthington Benedum Freshman Scholarship

These scholarships are for the freshman year only. The amount is $100 each semester so long as a satisfactory average is maintained. The number to be awarded each year is determined by the amount of money received from the Benedum Foundation.

Woman's Hospital Association of Fairmont General Hospital Nursing Scholarship

Full tuition scholarships awarded annually to Marion County residents who are enrolled in the Associate in Art Nursing Program at Fairmont State College. A recipient must either rank in the upper one-fourth of his high school graduating class or score in the upper one-fourth, College Bound Norms, on the ACT. The recipient is obligated to work as a nurse for two consecutive years immediately following graduation at the Fairmont General Hospital or repay the money.

Quota Club of Fairmont Nursing Scholarship

Full tuition scholarships awarded annually to a West Virginia resident who is to be enrolled in the Associate in Art Nursing Program at Fairmont State College. The recipient must either rank in the upper one-fourth of his high school graduating class or score in the upper one-fourth, College Bound Norms, on the ACT. The recipient is obligated to work as a nurse at Fairmont General Hospital for two consecutive years immediately following graduation or repay the amount of money advanced.

Circle W Club Scholarship

Awarded annually to the outstanding academic student whose parent or legal guardian is a member of the Circle W Club of Local IUE 627. The recipient is to attend Fairmont State College and will receive sufficient financial assistance to pay tuition, fees, and books for four years, so long as a satisfactory average is maintained.

Junior League of Fairmont, Incorporated—Memorial Scholarship-Loan Fund

Realizing the importance of education for the advancement of our community, state and nation, the Junior League of Fairmont established a Scholarship-Loan Fund to provide financial assistance to needy students. The Fund started in April, 1962, is to be a continuous project of the League. The money is to be used in the manner in which Fairmont State College feels it will best serve the needs of worthy students. The Financial Aids Committee will select the recipients.

Non-West Virginia Residents

Fairmont State College recommends that you explore the possibilities for assistance under the Higher Education Authority of your state before applying directly to the College. Most states have such programs and your guidance counselor or home town bank should have the necessary information.

WORKING SCHOLARSHIPS

Among the several work scholarships available are:

(1) Assistant to Director of Public Relations, cash value $70 per semester.

(2) Director of Sports Publicity (preparation of sports news), cash value $70 per semester. Those interested must apply in person to the Director of Public Relations.

(3) Editor of **The Columns**, cash value $75 per year.

(4) Business Manager of **The Columns,** cash value $75 per year.

(5) Editor of **The Mound,** cash value $75 per year.

(6) Business Manager of **The Mound,** cash value $75 per year.

PART-TIME EMPLOYMENT

Opportunities are provided for many students who seek financial assistance through part-time employment. A registry of part-time jobs, available both on and off campus, is maintained in the Office of Student Personnel. On the college campus, students find employment in clerical work, library work, assisting instructors, kitchen and dining room work, maintenance, and other similar activities.

The Office of Student Personnel assists students in finding part-time employment off campus. Many students work in stores, factories, garages, filling stations, and private homes.

REGULATIONS FOR STUDENT AID AND OTHER EMPLOYMENT

1. Students employed on the student aid basis may not be employed ordinarily for more than sixty-five hours in any one month. In exceptional circumstances, and when approved by the Financial Aids Committee, students may be employed to a maximum of ninety hours per month.

2. Students enrolled for more than six semester hours may not be employed by the College except on a student-aid basis.

3. Full-time employees of the College may not enroll for any academic work other than that obtainable outside of their regular work schedule.

4. The awarding of scholarships, student loans, and student employment, including assistance to athletes, is handled through the Office of Student Personnel. All employed students, including athletes, are required to give full and honest work for pay received.

5. First semester freshmen are not employed on campus nor recommended for employment off campus. The position of the college is that students should not work during the first semester while they are making the adjustment to college life.

STUDENT AUTOMOBILE REGULATIONS

Because of the large number of cars used by students, traffic on the college campus is seriously congested. In the interest of safety and service rigid regulations have become necessary. All parking is limited to defined areas. and restricted parking is established in certain areas.

All motor vehicles operated by students must be registered and properly identified by campus registration stickers.

Freshmen and Sophomores living in campus dormitories are not permitted to bring cars to the campus. All students living off campus, either at home or in college approved housing, and within one-half mile of the campus will not be permitted to park on campus during school hours.

Failure to comply with motor traffic regulations will result in the loss of parking privileges. Persistent violators will be subject to temporary or even final suspension from classes. Each student using an automobile on the campus is expected to be familiar with the traffic regulations.

PHYSICAL EXAMINATION

All students admitted to Fairmont State College, or who have been absent for two semesters, are required to have a physical examination by their personal physician. The physical examination forms will be sent to the student in time for the student to obtain the physical examination before reporting for Orientation Week. Failure to comply with the regulation on the part of the student will result in suspension until the regulation has been met.

HEALTH SERVICE

A physician and registered nurse are available to examine and advise students in matters pertaining to their health. On school days from 8 a.m. until 4:30 p.m., the college nurse may be found in her office in the Colebank Gymnasium for first aid and for the treatment of minor ailments of students and faculty. The college physician has regular campus office hours.

Group student hospital insurance is available to all full-time students at a very reasonable price. Each prospective student is mailed information pertaining to this insurance prior to the opening of school in the fall.

All prospective student teachers must present a health certificate from the Health Service to the supervisor of student teaching before they may be assigned to student teaching.

FOOD SERVICE

Breakfast, lunch, and dinner are served daily in the College Dining Hall with the exception of an evening meal on Sunday. Menus are carefully planned to provide nutritive diets with an attractive service at a reasonable price.

STUDENT CENTER BUILDING

The Student Center is a modern, spacious building centrally located on the campus.

On the ground floor, a large area has been finished for the Book Store and recreational purposes. The campus snack bar is located on the second floor, providing fountain service, soft drinks, coffee, cigarettes and confections. The center business offices for staff members is on this floor. The top floor contains the ballroom floor with facilities for such events as teas and receptions. All facilities of the Student Center are available to student groups for meetings, parties, dances and other social affairs.

BOOKS AND SUPPLIES

A modern college bookstore is maintained in the Student Center for the convenience of students. Textbooks and school supplies of all kinds may be purchased.

REQUIREMENTS FOR BACHELOR OF ARTS AND SCIENCE

The courses required in the several departments leading to the Bachelor of Arts or Bachelor of Science degrees may be conveniently described in four categories, viz., General Requirements, Majors, Minors, and Electives. General requirements include those courses required of all students with regard to the area of concentration. A major is defined as the area of greatest concentration, or, more specifically, as the department in which the most credit is earned. A minor is the area of second greatest concentration, or in other words, the department second to the major in the amount of credit earned. Electives are those courses not included in the other categories.

Degrees are offered by departments as follows:

Bachelor of Arts Degree

- Art
- English
- History
- French
- Mathematics
- Music
- Political Science
- Psychology
- Sociology
- Speech and Dramatics

Bachelor of Science Degree

- Biology
- Business Administration
- Chemistry
- Engineering Technology
- Home Economics
- Mathematics
- Physical Education
- Recreation
- Secretarial Studies

All degrees granted by Fairmont State College have the same minimum requirements with regard to semester hours credit and quality point average. The minimum credit is 128 semester hours with an average of 2.0 quality points per semester hour for a course entered on the student's permanent record card. The credit varies among departments, but in all cases the quality point average for a major or minor must be 2.0 or better. **It is also a requirement for any degree granted by this college that the mean of the quality point averages for all courses not included in the major or minor fields be 2.0 or better.** Moreover, all candidates for a Bachelor of Arts or Bachelor of Science degree must have both a major and a minor.

Courses taken to satisfy the general requirements, or their equivalents, will be included in the major or minor. Thus, a major student in English would count the general requirements in composition and literature as part of his major work.

Twelve hours of one foreign language is a general requirement for the Bachelor of Arts. Three hours of this requirement may be waived for each unit of the language presented as entrance credit, provided that the student is competent to continue the study of the language at the appropriate college level.

It is the responsibility of the student to know and meet all requirements. The catalog is published for the primary purpose of providing students with a source book of information pertaining to the College resources and requirements. Additional information or clarification of the statements in the catalog may be obtained from the advisor or the Registrar.

GENERAL STUDIES REQUIREMENTS FOR THE BACHELOR OF ARTS AND THE BACHELOR OF SCIENCE DEGREES

Required Areas	Cat. No.	Sem. Hours
THE HUMANITIES		
English Language		
Written English	*102, 104, 108	6-9
Spoken English	Sp. 101	3
Literature		
English Literature	250	3
American Literature	260	3
Art Appreciation	255	2
Music Appreciation	205	2
**Language		
French or German	101, 102, 201, 202	12
SCIENCE		6-10
Biology	101, 102 or	6
Physical Science	201, 202 or	6
Physics	101, 102 or	8
Chemistry	101, 102 or	8
Chemistry	105, 106	10
MATHEMATICS Any course		3
THE SOCIAL SCIENCES		
Sociology	110	3
Economics	200	3
Political Science	103	3
History	108	3
History	111, 112	6
PHYSICAL EDUCATION		
Women	102W, 103W	2
Men	114M, 115M	2
PSYCHOLOGY	103	3

*Required only of students with a deficiency in English.

**Required of all candidates for the Bachelor of Arts degree. Another foreign language may be substituted with permission.

SPECIFIC REQUIREMENTS IN ALL MAJOR FIELDS

ART

MAJOR		36 Sem. Hrs.
History of Art		11
255 History and Appreciation of Art	2	
278 Ancient and Medieval Art	3	
377 Italian and Northern Renaissance Art	3	
378 Nineteenth Century and Contemporary Art	3	

Studio Work (Selected from two or more areas: See courses listed under Ceramics and Sculpture, Design, Drawing, Painting, and Graphics) 25

Ceramics and Sculpture

283	Modeling and Sculpture	3
284	Modeling and Sculpture	3
383	Ceramics	3
384	Ceramics	3

Design

*140	Art Structure and Applied Design	3
*141	Art Structure and Applied Design	3
392	Textile Design	3
491	Interior Design	3

Drawing

*142	Drawing	2
241	Drawing from Life	2
242	Drawing and Painting from Life	3

Painting

261	Painting in Oil	3
262	Painting in Oil	3
361	Advanced Painting in Oil	3
363	Painting in Watercolor	3
364	Painting in Watercolor	3
463	Painting in any Medium	3

*Required Courses

MINOR IN ART 24 Sem. Hrs.

History of Art Courses (See Above)	5
Studio Work Courses (See Above)	19

BIOLOGY

MAJOR 30 Sem. Hrs.

Required courses in Biological Science

Biology 101, 102, Introduction to Biology	6

A minimum of 6 hours from each group is required:

Group A: Botany 6

Biology	201	General Botany	4
	330	Field Botany	3
	340	The Plant Kingdom	3
	341	The Plant Kingdom	3
	342	Mycology	3
	451	Plant Physiology	3

Group B: Zoology 6

Biology	315	Field Zoology	3
	220	Invertebrate Zoology	4
	221	Vertebrate Zoology	4
	350	Comp. Anatomy of Vertebrates	4

Electives in Biological Science 12

Required related courses

Chemistry 101, 102, or	8 Sem. Hrs.
Chemistry 105, 106	10 Sem. Hrs.
Physics 101, 102	8 Sem. Hrs.
Mathematics 110 or higher	6 Sem. Hrs.

MINOR 24 Sem. Hrs.

Required courses in Biological Science 18
Same as Major

Electives in Biological Science 6

Required related courses

Chemistry 101, 102	8
Physics 101, 102	8
Mathematics 110 or higher	6

BUSINESS ADMINISTRATION

MAJOR 39 Sem. Hrs.

Required of all Curricula 18

Business	201, 202	Principles of Accounting	6
	306, 307	Business Law	6
Economics	201, 202	Econ. Prin. and Problems	6

Select a minimum of 21 hours from one of the following groups:

Group A General 21

Business	304	Principles of Marketing	3
	308	Personnel Management	3
	309	Indus. Organization and Mgt.	3
	310	Business Statistics	3
	401	Business Finance	3
	410	Investments	3
	430	Data Processing	3
Economics	303	Money, Credit, and Banking	3
	307	Personal Finance	3
	405	Economic Analysis	3

Group B Accounting 21

Business	301, 302	Advanced Accounting	6
	310	Statistics	3
	401	Business Finance	3
	404	Cost Accounting	3

405	Auditing	3
406, 407	Federal Income Tax Accounting	6
430	Data Processing	3

MINOR: Business Administration 18 Sem. Hrs.

Business 201, 202, 304, 401, or 309
Economics 201, 202

MINOR: Economics 18 Sem. Hrs.

Business 304, 310
Economics 201, 202, 303, 405

CHEMISTRY

MAJOR

Required Courses 42 Sem. Hrs.

Chemistry	105, 106	Chemical Principles	10
	205	Analytical Chemistry	4
	206	Instrumental Analysis	4
	305, 306	Organic Chemistry	10
	405, 406	Physical Chemistry	8
	440	Intermediate Organic Chemistry	3
	450	Intermediate Inorganic Chemistry	3

Related Courses 32-35 Sem. Hrs.

Physics 101, 102 Introduction to Physics	8
Language	
French or German	12
Mathematics through Calculus III	12-15

MINOR

Required Courses 18-20 Sem. Hrs.

Chemistry	105, 106	Chemical Principles	10
	205, 206	Analytical Chemistry and Instrumental Analysis	8
	or		
	305, 306	Organic Chemistry	10

ENGLISH

MAJOR 36 Sem. Hrs.

Required Courses, Studies and Practice in the English Language 104, 108, 321	9
Required Courses, Literature 250, 260	6
Electives 300-400 level, Literature Courses	15
Electives, 300-400 level, Composition and Language Courses	6

Foreign Language 12 Sem. Hrs.
One selected from French or German

MINOR		30 Sem. Hrs.
Required Courses, Studies and Practice in the English Language 104, 108, 321	6	
Required Courses, Literature 250, 260	12	
Electives, 300-400 level, Literature Courses	12	
Electives, 300-400 level, Composition and Language Courses	3	

FRENCH

MAJOR			30 Sem. Hrs.
Required Courses			15
101, 102	Elementary French or equivalent	6	
*201, 202	Second Year French	6	
308	French Conversation	3	
Electives			
210	Masterpieces of French Literature	3	
301	Literature of the 17th Century	3	
302	Literature of the 18th Century	3	
309	Adv. Grammar and Comp.	3	
421	Literature of the 19th Century	3	
422	Literature of the 19th Century	3	
431	French Civilization and Culture	3	
321	Contemporary Literature	3	

*French 210 may be substituted for French 201 or 202.

MINOR	24 Sem. Hrs.
Required Courses 101, 102, 201, 202, 308	15
Electives To be selected from electives for major.	9

HISTORY

MAJOR			30 Sem. Hrs.
Required Courses			
107, 108	United States History	6	
111, 112	History of Civilization	6	
470	Seminar	3	

The remaining 15 semester hours in history are to be elected with the adivsor's approval, but the student must take at least one course from each of the three groups listed below. History majors may not apply History 431 toward the 30 hours requirement.

GROUP I

312	Diplomatic History of the United States	3
315	Colonial America	3
317	Civil War and Reconstruction	3
319	Recent America	3
320	American Economic History	3
370	American Intellectual History	3

GROUP II

310	History of England	3
330	Europe from 1300 to 1763	3
331	Europe from 1763 to 1850	3
340	Europe from 1850 to 1919	3
341	Europe from 1919 to the Present	3
360	European Intellectual History	3

GROUP III

350	Latin America: The Colonial Period	3
351	Latin America: The National Period	3
421	History of Russia	3
422	History of the Far East	3
423	History of Southeast Asia	2

MINOR 18 Sem. Hrs.

Required Courses

107, 108	United States History	6
111, 112	History of Civilization	6

Electives

Any other history courses except 431	6

HOME ECONOMICS

MAJOR 35 Sem. Hrs.

Required Courses

101	Principles of Clothing Construction	2
102	Advanced Clothing Selection	3
103	Principles of Clothing Selection	2
201	Principles of Food Selection and Preparation	3
202	Advanced Foods	3
210	Textiles	3
303	Nutrition	3
310	Family Life Education	3
312	Consumer Education	3
315	Home Management	3
320	Home Planning and Furnishing	4
330	Child Care and Development	3

Required Related Courses

Language—Modern Foreign	6
Chemistry	8
Electives in Science (Consent of Advisor)	4

MINOR 26 Sem. Hrs.

Same requirements as listed under Home Economics Subject Specialization for grades 5 through 9.

JOURNALISM

MINOR 16 Sem. Hrs.

240	Reporting	3
260	News Photography	2
270	Communications in Society	2
271	History of American Journalism	3
312	Publication Problems	3
343	Copy Editing and Make-Up	3

MATHEMATICS

MAJOR* 31 Sem. Hrs.

Required Courses** 25

115	Intermediate Mathematics II	4
116	Calculus I	4
215	Calculus II	4
216	Calculus III	4
361	Abstract Algebra	3
391	Introduction to Analysis	3
401	Differential Equations	3

Electives in Mathematics 6
(To be selected by student and advisor)

Language: French or German 12

MINOR 25

Required Courses
115, 116, 215, 216, 361, 391, 401

*It is expected that students will present a minimum of four units of high school mathematics including two units of algebra, one unit of integrated geometry (or equivalent), and a fourth unit requiring algebra and geometry as prerequisites. Students who present less than this expected preparation may be required to complete appropriate courses from Math 109, 111, 112, in addition to the above requirements.

**Students should consult with their advisor concerning credit for prerequisites and special examination for course credit.

ENGINEERING TECHNOLOGY

Foundation courses required of all candidates for the B.S. Degree in Engineering Technology specializing in the following technical options: construction, drafting, electrical-electronic, industrial, mechanical and mechanical power (Printing technology is a separate listing. See page 56).

FOUNDATION COURSES 29 Sem. Hrs.

I. E.	101	Basic Electricity I	2
	102	Basic Electricity II	2
	110	Basic Electronics I	2
	111	Basic Electronics II	2
	120	Drafting I	2
	220	Drafting II	2
	170	Statics	3
	270	Strength of Materials	3
	271	Strength of Materials Lab.	1
	180	Materials & Processes of Industry	2
	190	Industrial Orientation	NC
	191	Personnel Prob. & Labor Rel.	2
Bus.	227	Industrial Organization	3
	327	Accounting for the Technician	3

Students pursuing a major in Engineering Technology will be required to take the following courses or equivalents:

19 Sem. Hrs.

Math.	112	Intermediate Mathematics I or higher	3
Chem.	101-102	General Chemistry	8
Phy.	101-102	Introduction to Physics	8

Twenty semester hours of credit in any one of the following groups in addition to the foundation courses, will constitute a major unit of work in the respective area of specialization.

CONSTRUCTION TECHNOLOGY OPTION 20 Sem. Hrs.

I. E.	122-222	Architectural Drafting I & II	2-2
	160	Hand Woodworking	2
	260	Machine Woodworking	2
	166	Building Construction (Residential) I	2
	266	Building Construction (Industrial) III	2
	274-374	Graphic Solutions I & II	2-2
	321	Structural Drafting	2
	322	Architectural Design	2
	366-466	Construction Theory and Lab. I & II	2-2
	372	Surveying	2
	373	Computing & Estimating	2
	375	Plumbing & Sanitation	2
	376	Heating & Air Conditioning	2
	392	Blueprint Reading	2-3
	473	Contracts & Specifications	2
	474	Codes & Practices	2

DRAFTING TECHNOLOGY OPTION 20 Sem. Hrs.

I. E.	122-222	Architectural Drafting I & II	2-2
	123	Machine Design	2
	221	Graphic Illustration	2

223	Jigs & Fixtures	2
274-374	Graphic Solutions I & II	2
320-420	Drafting Room Techniques I & II	2-2
321	Structural Drafting	2
322	Architectural Design	2
323-423	Electrical Drafting I & II	2-2
373	Computing and Estimating	2
392	Blueprint Reading	2-3
421	Drafting, Planning & Scheduling	2
422	Architectural Drafting III	2
473	Contracts and Specifications	2
474	Codes and Practices	2

ELECTRICAL-ELECTRONIC TECHNOLOGY OPTION 20 Sem. Hrs.

I. E.	201-202	Electrical Measurements Laboratory I & II	2-2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	315	Industrial Electronics & Controls	2
	316-317	Advanced Electronics I & II	2-2
	323-423	Electrical Drafting I & III	2-2
	371	Thermodynamics	3
	374	Graphic Solutions II	2
	379	Industrial Economy	3
	475	Dynamics	3

INDUSTRIAL TECHNOLOGY OPTION 20 Sem. Hrs.

I. E.	167-267	Machine Shop I & II	2-2
	192	Personnel Administration	2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	221	Graphic Illustration	2
	274-374	Graphic Solutions I & II	2-2
	315	Industrial Electronics & Controls	2
	370-470	Manufacturing Processes I & II	2-2
	377	Time & Motion Study	2
	378	Plant Layout & Materials Handling	2
	379	Industrial Economy	3
	392	Blueprint Reading	2-3
	415	Electrical Maintenance	2
	477	Industrial Management	2
	478	Production Controls	2

MECHANICAL TECHNOLOGY OPTION (ENGINEERING) 20 Sem. Hrs.

I. E.	123	Machine Design	2
	161-261	Gas Welding I & II	2-2
	162-262	Arc Welding I & II	2-2
	167-267	Machine Shop I & II	2-2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	223	Jigs & Fixtures	2
	245	Hydraulics	2
	315	Industrial Electronics & Controls	2

274-374	Graphic Solutions I & II	2-2
345	Pneumatics	2
360	Metallurgy	2
370-470	Manufacturing Processes I & II	2-2
371	Thermodynamics	3
379	Industrial Economy	3
392	Blueprint Reading	2-3
445	Fluid Mechanics	3
475	Dynamics	3

MECHANICAL TECHNOLOGY OPTION (POWER MECHANICS) 20 Sem. Hrs.

I. E.	140	Engine Theory I	2
	141	Engine Laboratory I	2
	142	Power Transfer Theory I	2
	143	Power Transfer Laboratory I	2
	144	Carburetion and Ignition Theory I	2
	145	Carburetion and Ignition Laboratory I	2
	146	Hydraulic and Suspension Systems Theory I	2
	147	Hydraulic and Suspension Systems Lab. I	2
	270	Strength of Materials	3
	271	Strength of Materials Laboratory	1
	274	Graphic Solutions I	2
	371	Thermodynamics	3
	445	Fluid Mechanics	3
	475	Dynamics	3

COOPERATIVE WORK STUDY 12 Sem. Hrs.

I. E.	492	Work Study Seminar	4
	493	Work Experience Laboratory	8

Cooperative work study program may be waived for students who are employed full or part time if such employment is approved by the Director of Technical Education.

PRINTING TECHNOLOGY

MAJOR

Required Courses in Industrial Education 46 Sem. Hrs.

120, 220	Drafting I, II	4
130	Printing Processes I	2
131	Printing Laboratory I	2
132, 232	Typography I, II	4
133, 233	Offset Printing I, II	4
134	Graphic Layout and Design I	2
180	Materials and Processes of Industry	2
191	Personnel Problems and Labor Relations	2
234	Graphic Layout and Design II	2
235	Printing Estimating	3
334	Photo Composition I	2

335	Printing Plant Management	3
434	Photo Composition II	2
492	Work Study Seminar	4
493	Work Experience Laboratory	8

Required Courses in Related Areas 36 Sem. Hrs.

Mathematics	111	Intermediate Algebra	3
	112	Intermediate Mathematics I	3
Chemistry	101, 102	General Chemistry	8
Physics	101, 102	Introduction to Physics	8
Business	227	Industrial Organization for Technical Education	3
	327	Accounting for Tech. Ed.	3
Sec. Stud.	101	Beginning Typewriting OR	
	102	Intermediate Typewriting	2
Journalism	240	Reporting I	3
	312	Publications Problems	3

MUSIC

For Departmental Requirements See Music Teaching Field.

MAJOR 48 Sem. Hrs.

Required Courses

Theory			12
*109E	Beginning Theory	(2)	
109-110	Theory	8	
209	Theory	4	
Applied Music			10
107	Piano	4	
141	Voice	2	
**211-217	Orchestral Instruments	4	
Appreciation			8
205	Music Appreciation	2	
313	History	3	
314	History	3	
Conducting			5
245	Fundamentals of Conducting	2	
429 or 430	Instrumental or Choral Methods (Includes Advanced Conducting)	3	
Participation			8
169	Band	1-4	
173	College Chorus	1-4	
275	Advanced Instrumental Ensemble	1-4	
277	Advanced Vocal Ensemble	1-4	
Electives			5

MINOR 26 Sem. Hrs.

Theory			8
*109E	Beginning Theory	(2)	
109-110	Theory	8	
Appreciation .			2
205	Music Appreciation	2	

Applied Music			8
107	Piano (Min. 3)		
141	Voice (Min. 1)		
211-217	Orchestral Instruments (Min. 3)		
Conducting			5
245	Fundamentals of Conducting	2	
429 or 430	Instrumental or Choral Methods (Includes Advanced Conducting)	3	
Participation (See Courses Above)			3

*Does not apply to theory requirements and may be eliminated by examination.

**Advanced work on organ or a special orchestral instrument may be done to satisfy the 4 hours required in this group.

PSYCHOLOGY

MAJOR 30 Sem. Hrs.

Required Courses

103	General Psychology	3
250	Experimental Psychology	3
275	History of Psychology	3
300	Psychology of Personal Adjustment	3
325	Abnormal Psychology	3
350	Statistics	3
375	Physiological Psychology	3
400	Psychometrics	3
425	Clinical Psychology	3
460	Seminar	3

MINOR 12 Sem. Hrs.

Required Courses

103, 250, 350 plus one elective course in Psychology

PHYSICAL EDUCATION

The requirements for the Bachelor of Science degree in Physical Education are listed under the Division of Health, Physical Education, and Recreation curriculum requirements for a Bachelor of Arts in Education degree.

POLITICAL SCIENCE

MAJOR 30 Sem. Hrs.

Required Courses	
103 American National Government	3
Electives in Political Science	27

MINOR 15 Sem. Hrs.

Required Courses	
103 American National Government	3
Electives	
Any other Political Science courses	12

PHYSICS

MINOR	22-25 Sem. Hrs.

Required Courses
Physics 101, 102, 201, and 310
Physics 320, 321, or 420, 421
Physics 340
Mathematics 112, 115, and 116

RECREATION

MINOR			
MAJOR			44 Sem. Hrs.
Professional Recreation			12
282	Community and Industrial Recreation	3	
384	Camping and Youth Organizations	3	
385	Recreational Leadership	3	
386	Recreational Field Work and Inspection Trips	3	
362	Organization and Administration of Health, Physical Education and Recreation	3	
Health and Safety			12
100	Personal Health	3	
101	First Aid	2	
202	Community Health	3	
203	Safety	3	
310	School Health Problems	3	
Activities and Sports			12
	Twelve semester hours—to be selected by advisor		
Rhythms and Creative Arts			8
146	Social Dancing	1	
148	Modern Dance	2	
247	Folk and Square Dance	2	
186	Recreational Crafts (I.E.)	2	
286	Crafts (I.E.)	2	
151	Play Production (Speech)	2	
152	Theatre Workshop (Speech)	2	
240	Reporting (Journalism)	3	

SECRETARIAL STUDIES

MAJOR	31 Sem. Hrs.

Required Courses

102	Intermediate Typewriting	2
211	Advanced Typewriting	2
251	Business Correspondence	2
301, 302	Advanced Shorthand and Transcription	8
303	Principles and Practices of Filing	2
311	Office Machines	2
314	Dictation and Transcription	2
351	Secretarial Office Practice	2
351L	Secretarial Office Practice Lab	1
201, 202	Principles of Accounting	6
Home Ec. 103	Principles of Clothing Selection	2

MINOR 21 Sem. Hrs.

Required Courses

101, 102 211	Beginning and Intermediate Typewriting or Advanced Typewriting	4
201, 202	Beginning Shorthand	8
301	Advanced Shorthand	4
311	Office Machines	2
201	Principles of Accounting	3

SOCIOLOGY

MAJOR 24 Sem. Hrs.

Required Courses 12

101	Introductory Sociology	3
200	Social Problems	3
301	Anthorpology	3
470	Sociological Theory	3

Electives in Sociology 12

MINOR 18 Sem. Hrs.

Required Courses 9

110	Introductory Sociology	3
200	Social Problems	3
301	Anthropology	3

Electives in Sociology 9

SPEECH AND DRAMATICS

MAJOR 30 Sem. Hrs.

Required Courses 23

101	Fundamentals of Speech	3
105	Voice and Diction	3
151	Play Production	2
221	Oral Interpretation	2
237	Effective Speaking	2
243	Debate	2
245	Oratory	1
330	Fund. of Radio and T.V.	2
336	Play Directing	2
336L	Play Directing Lab	1
430	Speech Correction	3

Electives 7

MINOR 24 Sem. Hrs.

Required Courses:

Same as required courses for the major with one hour of elective in the field.

SPECIAL CURRICULA

PRE-PROFESSIONAL CURRICULA

The courses outlined below are organized to meet the needs of those students who plan to continue their work in some professional school after one or two years as a student in Fairmont. Since most of this work is basic in character it may be used in meeting the requirements for graduation from Fairmont State College.

Pre-professional work is offered in the following fields:

Dentistry	Medicine	Pharmacy
Law	Medical Technology	Social Work

An outline of the courses to be included in the pre-professional curricula listed above is outlined below for the use of students and advisors. Since the majority of students doing such work will later enter the professional schools at West Virginia University, the courses have been prepared with the idea of meeting the requirements laid down by University authorities for their own pre-professional students. Students expecting to enroll in other professional schools should procure a catalogue from the school they expect to enter with advanced standing so that the course taken here will meet the requirements they need to meet. The pre-professional field advisor will assist students in making all necessary adjustments.

The arrangement of courses of the pre-professional curricula by years may have to be varied somewhat to meet schedule situations and the interests of students. The pre-professional advisors should, however, be consulted as regards any such changes before they are made.

PRE-DENTAL CURRICULUM

Students enrolled in pre-dentistry should plan their programs in relation to the requirements of specific college of dentistry, for the entrance requirements differ somewhat among various colleges. They should obtain a catalogue from the school of their choice, and use it as a guide in selecting their courses in Fairmont. Only students with a B average, or higher will be urged to continue dental training.

A recommended schedule for a two-year pre-dental course in Fairmont State College follows:

	First Year		Second Year	
Course	Hrs.	Hrs.	Hrs.	Hrs.
English 104, 108	3	3		
Chemistry 105, 106	5	5		
Biology 101, 102	3	3		
Biology *Electives			4	
Physics 101, 102			4	4
Chemistry 305, 306			4	4
Electives (To fulfill requirements of specific professional school)		3	3	3

*Some dental schools specifically require zoology. In most instances, biology or zoology courses will meet requirements. There normally should be an opportunity to include 3-4 hours of elective courses in the first year.

PRE-LAW CURRICULUM

Fairmont State College no longer offers a distinct Pre-Law curriculum for law schools generally admit applicants with a bachelor's degree in any field, provided that they have demonstrated their ability to do the work required in law school. Pre-Law students are ordinarily assigned to an advisor in the Division of Social Sciences and major in history.

PRE-MEDICAL CURRICULUM

Students planning to study medicine will find ample opportunity to prepare for this profession at Fairmont State College. Courses in the physical and biological sciences are adequate to meet the requirements of any medical college. The pre-medical student, however, should understand that medical colleges do not regard the basic sciences as the only important area in the preparatory program for the profession. Indeed the trend is definitely to favor general education over a narrow, specialized science concentration. The pre-medical curriculum at Fairmont has been developed in consideration of this trend.

Most medical colleges expect or require applicants to be graduates of a four-year college, but some students may be admitted upon completion of a three-year curriculum. Graduates of Fairmont who have completed the pre-medical curriculum with good marks are readily accepted by several outstanding medical colleges. One should know, however, that mediocre work is not a recommendation for entrance to any professional school. Consequently, only the better students can be confident of admission to a medical college.

SUGGESTED SCHEDULE

First Year

English	104,	108	Written English	6 Hrs.
Chemistry	105,	106	General Chemistry	10 Hrs.
Mathematics	112,	115	Intermediate Math I & II	6 Hrs.
Phys. Ed.	114M,	115M	Freshman Orientation	2 Hrs.
Biology	101,	102	Introduction to Biology	6 Hrs.
History	108		United States History	3 Hrs.
Sociology	110		Introductory Sociology	3 Hrs.

Second and Third Years

History	111,	112	History of Civilization	6 Hrs.
Physics	101,	102	Introduction to Physics	8 Hrs.
Pol. Science	103		Amer. National Government	3 Hrs.
Art	225		Hist. and App. of Art	2 Hrs.
Chemistry	305,	306	Organic Chemistry	8 Hrs.
French	201,	202	Second Year French	6 Hrs.
Speech	101		Fundamentals of Speech	3 Hrs.
Biology	221,	350	Vertebrate Zoo. & Comp. Anat.	8 Hrs.
Music	205		Music Appreciation	2 Hrs.
Psychology	103		General Psychology	3 Hrs.
Chemistry	405		Physical Chemistry	4 Hrs.
Electives				30 Hrs.

PRE-PHARMACY CURRICULUM

National requirements for the study of pharmacy require five years of study beyond high school. The curriculum requires the completion of two years of pre-pharmacy and three years of study and training in a professional school of pharmacy. Prospective pharmacy students should, of course, plan their programs in such a manner as to insure meeting requirements of the particular professional school of pharmacy to which they wish to transfer. The following two-year preparatory program is suggested.

	First Year		Second Year	
Course	Hrs.	Hrs.	Hrs.	Hrs.
English 104, 108	3	3		
Chemistry 101, 102 or 105, 106	4	4		
Biology 101, 102	3	3		
Mathematics 112	3			
Phys. Ed. 102W, 103W, or 114M, 115M	1	1		
Mathematics 115		3		
Economics 200			3	
Physics 101, 102			4	4
Electives (To fulfill requirements of specific professional school)			2	4

PRE-MEDICAL TECHNOLOGY CURRICULUM

Any student interested in the Pre-Medical Technology Curriculum should understand that fulfilling the requirements of a two-year program calls for careful planning. Moreover, this curriculum is only preparatory for further work in some institution—hospital or university—accredited for training medical technologists. The student, therefore, should plan his program not only for the two-year curriculum at Fairmont State College but also for curriculum at a school of medical technology.

To be admitted to the curriculum at this college, the student must be a graduate of an accredited four-year high school and must preset a minimum of one unit credit in algebra and one unit in plane geometry as a part of the entrance requirements. The college work shall include credit as follows:

English. 6 semester hours.
Biological Science. 8 semester hours in general biology and zoology.
Chemistry. 20 semester hours—8 hours in inorganic, 4 hours in quantitative analysis, and 8 hours in organic.
Physics. 8 semester hours.
Physical Education. 2 semester hours.
Electives. (To fulfill requirements of specific professional school.)
Mathematics. 3 semester hours. (Mathematics 112 or higher)

PRE-SOCIAL WORK CURRICULUM

The pre-professional curriculum in Social Work is designed to meet the needs of the students who plan to enter the School of Social Work at West Virginia University, or other approved schools of social work. Professional education for the many positions available for professional social workers is on a graduate basis in all accredited schools of social work. The undergraduate

program, which may be obtained completely at Fairmont State College, includes broad and intensive preparation in the social sciences and related fields. Students who choose this curriculum must satisfy all the requirements prescribed for the Bachelor of Arts. They should major in sociology.

TWO-YEAR CURRICULA*

Fairmont State College now offers several special curricula each of which require completion of 64-77 semester hours with a **quality point average of 2.0 or better.** These curricula are now available in the following areas:

Accountancy
Clerical
Nursing Education
Secretarial
Technical Education

The purpose of these curricula is to provide desirable vocational training for those persons who are unable to complete an entire four-year course without interruption, and for those persons who desire some college training organized with a definite objective in mind to contrast to a more or less random selection of courses. These curricula are organized in such a manner as to be complete within themselves. The quality of the instruction offered will be identical with that in the four-year curricula.

Fairmont State College is authorized by the State Board of Education to issue the certificate of Associate in Arts or Associate in Science upon the successful completion of any of these special two-year curricula. Application for the certificate must be made while the student is enrolled at Fairmont State College. The student may choose not to complete all the requirements of a special curriculum and, after an evaluation, may select the program leading toward a baccalaureate degree instead. **A 2.0 average for all courses attempted and for those in the area of specialization is required.**

The two-year curricula in the Department of Commerce are Terminal Vocational programs. Credits earned under the two-year curricula in accounting, clerical, and secretarial may be transferred to a degree program ONLY UPON REVIEW AND APPROVAL OF THE REGISTRAR.

ACCOUNTING CURRICULUM 64 Sem. Hrs.

Required Courses

Bus.	141	Business Mathematics	3
Bus.	201, 202	Principles of Accounting	6
Bus.	301, 302	Advanced Accounting	6
Bus.	306	Business Law	3
Bus.	406, 407	Income Tax, Indiv. & Corporate	6
Econ.	201, 202	Principles and Problems	6
Eng.	102 or 104, 108	Written English	6
Sec. St.	101, 102, 211	Begin. Typewriting and Intermediate Typewriting or Advanced Typewriting	4
Psy.	103	General Psychology	3
Speech	101 or	Fundamentals of Speech	3
	107	Speech Improvement	2
Electives			18-19

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*See Special Bulletin for Two-Year Curricula for additional information.

SECRETARIAL CURRICULUM 64 Sem. Hrs.

Two Years

Required Courses

Bus.	102	Introduction to Business	3
Bus.	141	Business Mathematics	3
Eng.	102 or 104,		
	108	Written English	6
Sec. St.	101, 102	Begin. & Intermed. Typewriting	4
Sec. St.	204	Secretarial Accounting	3
Sec. St.	201, 202	Begin. Shorthand	8
Sec. St.	211	Advanced Typewriting	2
Sec. St.	251	Business Correspondence	2
Sec. St.	301, 302	Adv. Shorthand & Transcript	8
Sec. St.	303	Principles & Practices of Filing	2
Sec. St.	311	Office Machines	2
Sec. St.	314	Dictation & Transcription	2
Sec. St.	351	Sec. Office Practice	2
Sec. St.	351L	Sec. Office Practice Lab	1
Psy.	103	General Psychology	3
Home Ec.	103	Principles of Clothing Selection	2
Speech	101 or	Fundamentals of Speech	3
	107	Speech Improvement	2
Electives			8-9

CLERICAL CURRICULUM 64 Sem. Hrs.

Two Years

Required Courses

Bus.	102	Introduction to Business	3
Bus.	141	Business Mathematics	3
Bus.	201, 202	Principles of Accounting	6
Eng.	102 or 104,		
	108	Written English	6
Sec. St.	101, 102	Begin. & Intermed. Typewriting	4
Sec. St.	211	Advanced Typewriting	2
Sec. St.	251	Business Correspondence	2
Sec. St.	303	Principles & Practices of Filing	2
Sec. St.	311	Office Machines	2
Sec. St.	351	Sec. Office Practice	2
Sec. St.	351L	Sec. Office Practice Lab.	1
Psy.	103	General Psychology	3
Home Ec.	103	Principles of Clothing Selection	2
Speech	101 or	Fundamentals of Speech	3
	107	Speech Improvement	2
Electives			23-24

NURSING EDUCATION

Students in the first class of the Associate Degree Nursing Program of Fairmont State College enrolled in September of 1964. The program is two academic years and one six-week summer session in length.

Community agencies are used for selected learning experiences. Those included are hospitals, clinics, schools, homes for the aged and the state mental institution.

The purpose of the program is the development of the individual as a person, a citizen and as a beginning practitioner of nursing at the bedside level. A balance of general education and specialized education makes up the curriculum. The graduates are eligible to take the West Virginia State Board examination for licensure as a registered nurse.

A 2.0 overall quality point average and a 2.0 quality point average in nursing is required to continue in the program. Professional nursing courses may not be applied to the Baccalaureate Degree Program.

The tuition fees required for the nursing students are the same as those required of all students in the college. Additional cost to nursing students will include uniforms, special equipment, special achievement examinations, cost of living while affiliating at a state hospital during the summer sessions.

NURSING EDUCATION CURRICULUM

First Year

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Eng. 104, Written English	3	Eng. 108, Written English	3
Phy. Sci. 201. Gen. Physical Sci.	3	Phy. Sci. 202, Gen. Physical Sci.	3
Biol. 101, Intro. to Biology	3	Psych. 103, General Psychology	3
Nsg. 101, Fundamentals of Nursing	5	Nsg. 201, Medical-Surgical	8
Home Ec. 110, Nutrition	2		
Nsg. 100, Med. Sci. in Nursing	2	Total Hours	17
Total Hours	18		

Summer Session (Six Weeks)

Nsg. 203 Psychiatric Nursing 6 hrs.

Second Year

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Biol. 224, Microbiology	3	Nsg. 102, Maternal and Child	8
Nsg. 202, Medical-Surgical	8	Nsg. 204, Trends in Nursing	2
Speech 101, Fund. of Speech	3	Pol. Sci. 103, National Gov't.	3
Soc. 110, Introductory Sociology	3	Elective	3
Total Hours	17	Total Hours	16

THE TWO-YEAR TECHNICAL EDUCATION CURRICULUM

Industry needs technicians to perform skillful and demanding processes—to supervise the work of others—to assist engineers and executives. The two-year program permits those who desire to prepare themselves, in a short period of time, to accept these responsibilities. The work is designed to enable the student to learn the sciences, mathematics, and skills necessary for the job. And, if he so chooses, he may return and complete the work necessary for the baccalaureate degree without appreciable loss of credit.

The General Education and foundation courses required of all candidates for the two-year associate certificate in technology specializing in the following technical options are: construction, drafting, electrical-electronic, mechanical, mechanical power. Printing technology is a separate listing.

General Education 28 Sem. Hrs.

*Eng.	102, 104, 108	Written English	6
I.E.	106	Mathematics for the Technician I	3
I.E.	107	Mathematics for the Technician II	3
Phy.	101-102	Introduction to Physics	8
Econ.	101	American Business and Industry	3
Psych.	103	General Psychology	3
I.E.	191	Personnel Prob. & Labor Relations	2

*Select 6 semester hours of English.

Foundation Courses 17 Sem. Hrs.

I.E.	101	Electricity I	2
	102	Electricity II	2
	110	Basic Electronics I	2
	111	Basic Electronics II	2
	120	Drafting I	2
	220	Drafting II	2
	180	Materials & Processes of Industry	2
	190	Industrial Orientation	0
Bus.	227	Industrial Organization	3

Sixteen semester hours of credit in any one of the following groups, in addition to the foundation courses, will constitute a major unit of work in the respective area of specialization.

Construction Technology Option 16 Sem. Hrs.

I.E.	122-222	Architectural Drafting I & II	2-2
	160	Hand Woodworking	2
	170	Statics	3
	260	Machine Woodworking	2
	270	Strength of Materials	3
	271	Strength of Materials Laboratory	1
	321	Structural Drafting	2
	322	Architectural Design	2
	366-466	Construction Theory & Lab. I & II	2-2
	372	Surveying	2
	373	Computing & Estimating	2
	375	Plumbing & Sanitation	2
	376	Heating & Air Conditioning	2
	392	Blueprint Reading	2-3
	473	Contracts & Specifications	2
	474	Codes & Practices	2

Drafting Technology Option 16 Sem. Hrs.

I.E.	122-222	Architectural Drafting I & II	2-2
	422	Architectural Drafting III	2
	123	Machine Design	2

	221	Graphic Illustration	2
	223	Jigs & Fixtures	2
	320-420	Drafting Room Techniques	2-3
	321	Structural Drafting	2
	322	Architectural Design	2
	323-423	Electrical Drafting I & II	2-2
	392	Blueprint Reading	2-3
	421	Drafting, Planning, & Scheduling	2

Electrical-Electronic Technology Option 16 Sem. Hrs.

I.E.	201-202	Elec. Measurements Lab. I & II	2-2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	315	Industrial Electronics & Controls	2
	316	Advanced Electronics I	2
	317	Advanced Electronics II	2
	323-423	Electrical Drafting I & II	2-2
	371	Thermodynamics	3
	374	Graphic Solutions II	2
	379	Industrial Economy	3
	475	Dynamics	3

Mechanical Technology Option 16 Sem. Hrs.

I.E.	123	Machine Design	2
	161-261	Gas Welding I & II	2-2
	162-262	Arc Welding I & II	2-2
	167-267	Machine Shop I & II	2-2
	170	Statics	3
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	223	Jigs & Fixtures	2
	245	Hydraulics	2
	270	Strength of Materials	3
	271	Strength of Materials Laboratory	1
	315	Industrial Electronics & Controls	2
	316-317	Advanced Electronics I & II	2-2
	345	Pneumatics	2
	360	Metallurgy	2
	370-470	Manufacturing Processes I & II	2-2
	371	Thermodynamics	3
	392	Blueprint Reading	2-3
	445	Fluid Mechanics	3

Power Technology Option (Mechanical) 16 Sem. Hrs.

I.E.	140	Engine Theory I	2
	141	Engine Laboratory I	2
	142	Power Transfer Theory I	2
	143	Power Transfer Laboratory I	2
	144	Carburetion and Ignition Theory I	2
	145	Carburetion and Ignition Lab. I	2
	146	Hyd. & Suspension Sys. Theory I	2
	147	Hydraulic & Suspension Sys. Lab.	2
	170	Statics	3

270	Strength of Materials	3
271	Strength of Materials Laboratory	1
274	Graphic Solutions I	2
371	Thermodynamics	3
445	Fluid Mechanics	3
475	Dynamics	3

Approved Electives 3 Sem. Hrs.

Total 64 Sem. Hrs.

Cooperative Work Study 12 Sem. Hrs.

I.E.	492	Work Study Seminar	4
	493	Work Experience Laboratory	8

Cooperative work study program may be waived for students who are employed full or part time if such employment is approved by the Director of Technical Education.

TYPICAL SCHEDULE FOR THE TWO-YEAR TECHNICAL EDUCATION CURRICULUM

FIRST YEAR

Eng.	102 or 104	Written Eng.	3	Eng.	108	Written Eng.	3
I.E.	106	Math for the Tech. I	3	I.E.	107	Math for the Tech. II	3
I.E.	190	Industrial Orientation	NC	Econ.	101	American Business and Industry	3
I.E.	180	Materials & Processes	2			Approved Electives	8
I.E.	191	Personnel Prob. & Labor Rel.	2				17
I.E.	120	Drafting I	2				
I.E.	220	Drafting II	2				
			14				

First Summer

Physics	101	Intro. to Physics	4	Physics 102 Intro. to Physics	4

SECOND YEAR

I.E.	101	Electricity I	2	I.E.	110	Basic Electronics I	2
I.E.	102	Electricity II	2	I.E.	111	Basic Electronics II	2
Bus.	227	Industrial Organization	3	Psych.	103	General Psychology	3
		Approved Electives	8			Approved Electives	8
			15				15

Second Summer

I.E.	492	Work Study Seminar	4	I.E.	493	Work Experience Lab.	8

REQUIRED COURSES AND SUGGESTED SCHEDULE FOR THE TWO-YEAR ASSOCIATE DEGREE IN PRINTING TECHNOLOGY

FIRST YEAR

Eng.	102-104	Written Eng.	3	Eng.	104-108	Written Eng.	3
Phy. Sc.	201	General Phy. Sci.	3	Phy. Sc.	202	General Phy. Sci.	3
I.E.	180	Materials & Processes	2	I.E.	120	Drafting I	2
I.E.	191	Personnel Problems & Labor Rel.	2	I.E.	220	Drafting II	2
I.E.	130	Printing Processes I	2	I.E.	134	Graphic Layout & Design I	2
I.E.	131	Printing Lab. I	2	I.E.	234	Graphic Layout & Design II	2
Sec. St.	101 or 102	Typing	2	I.E.	136	Printing Composition	2
			16				16

SECOND YEAR

Soc.	110	Intro. Sociology	3	Psych.	103	General Psychology	3
I.E.	132	Typography I	2	I.E.	333	Printing Techniques I	2
I.E.	232	Typography II	2	I.E.	433	Printing Techniques II	2
I.E.	133	Offset Printing I	2	I.E.	435	Printing Mech. & Press Design	4
I.E.	233	Offset Printing II	2	Journ.	240		3
I.E.	235	Printing Estimating	3	I.E.	335	Printing Plant Mgmt.	3
Bus.	227	Industrial Organization	3				
			17				17
I.E.	492	Work Study Seminar	4	I.E.	493	Work Experience Lab.	8

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN EDUCATION

The education of teachers at Fairmont State College is designed to utilize the cooperative functions of the several subject matter areas and the division of professional education. The philosophy of the College is that adequate preparation for teaching requires rich and comprehensive experience in the area of general education, concentration in a comprehensive or in two of the subject matter fields, and the development of certain attitudes, skills and understanding which characterize effective teaching. The State Board of Education has adopted a program of general and professional education which is required of all students preparing for teaching.

TEACHING FIELDS AND SPECIALIZATIONS

Fairmont State College offers teaching curricula leading to the degree of Bachelor of Arts in Education. Students satisfactorily completing the teaching curriculum in a given area will qualify for a Professional Certificate, grades 7-12, 1-9 or 1-12.

In planning for a career in elementary or secondary teaching, students may qualify for an assignment in the following fields or specializations:

Art
Biological, General-Earth Science
Biological Science
Business Education
Business Education, Secretarial
Chemistry, General-Earth Science
English
French
General-Earth Science
Health and Physical Education
Home Economics
Industrial Arts
Kindergarten-Primary
Language Arts
Mathematics
Music
Physics, General-Earth Science
Social Studies
Speech
School-Librarian

It is the responsibility of candidates for a degree to know and to meet the general requirements of the College and the specific requirements of the chosen curriculum. It is the student's responsibility also to keep informed on his grade-point standing. All of this information may be obtained from the student's advisor or from the Office of the Director of Teacher Education.

ADMISSION TO TEACHER EDUCATION

Any student of sophomore standing may enroll in the first professional course, Education 200, Introduction to Education. Students are not expected, in this course, to make a decision or an application for admission to teacher education. It is required of all teacher education students, and non-education students may take it as an elective.

The form, "Student Information Form, T-Form 63," is to be completed and filed with the Education Department before the completion of Education 200. A student will receive a "I" grade in this course until this form is filed.

In order to be eligible for enrollment in Education 302, Human Growth and Development, a student must be in good academic standing (i.e., he must not be on scholastic probation). The completion of Education 200 is also a requirement for enrollment in this course.

While enrolled in Education 302, those interested in pursuing the Teacher Education program shall make formal application by completing the form, "Application for Admission to the Teacher Education Program." To be accepted, the applicant must have a minimum quality point average of 2.0, overall and in each area of concentration or teaching field. He must have satisfactorily completed the required Written English courses. (See General Education requirements.) He must, at the time of application, be passing Education 302. As a part of this application he must secure a favorable recommendation from the Health Department, the Social Dean, and his class Advisor.

Toward the close of the semester in which the student is enrolled in Education 302, the Selection Committee evaluates the information in his folder and arrives at one of the following decisions: Approved; Approved Conditionally; or Disapproved. The student is to be notified in writing of the Committee's decision, and he shall have the opportunity of appearing before the Committee if he is dissatisfied with its conclusions.

If a student has satisfactorily completed Education 302 and has approval of the Selection Committee, he is eligible to enroll in Education 303, Human Growth and Development. As a part of the requirements for this course, the student must make appliction for the Professional "Block".

THE BLOCK SYSTEM

Fairmont State College has adopted the block system for scheduling directed teaching. The significant features of this plan are: (1) a semester is reserved for the student in which he or she will schedule a block of professional subjects, including methods and directed teaching; (2) a nine-weeks section of that semester will be used exclusively for directed teaching; (3) during this nine-weeks period, the daily assignment for student teaching will comprise all hours the school is in session; (4) in addition to classroom assignments, student teachers will participate in the extra-curricular activities of the school and community.

One semester of the senior year will be used for scheduling a block of approximately 17 semester hours of professional courses. To schedule the "Block" a student must meet the requirements for directed teaching as described below. Students and advisors should understand that the block system requires exact planning during the early years of the college career as well as in the senior year. All general requirements of the College as well as the minimum requirements of the teaching fields will have to be completed before the "Block" can be scheduled.

Eligibility for the Professional Block is determined by the ability of the student to meet the following requirements:

1. a. Completion of 90 semester hours including 8 hours in education courses, and three-fourths of the required work in each teaching field or area of specialization.

   b. Satisfactory completion of English 108, Advanced Written English, with a grade of "C", and Speech 210 with a grade of "C".

2. Divisional approval of the candidate's comprehensive field or two teaching fields and completion of professional education courses which are prerequisite to the block courses.

3. Completion of the September Experience of five days in a public school of the student's choice observing the opening and organization of a school.

4. Students must have an average of "C" or better.
    a. On all semester hours to be counted toward graduation.
    b. On all semester hours earned in the department of education.

5. Have a 2.2 quality point average in each teaching field or specialization.

6. Present a statement from the college health department showing that the student has been given a physical examination and found to be physically fit for assignment to directed teaching.

Students will **not** be permitted to schedule courses outside the Block or extracurricular activities which will in any way interfere with the course work.

STUDENT TEACHING

Student teaching is required in all curricula. Students must complete student teaching at the grade levels and in the teaching fields in which they expect to be certified. At the present time, elementary school training is provided in the City of Fairmont. Secondary training is given in connection with Marion, Harrison, Monongalia, and Taylor County junior and senior high schools. All student teaching is under the joint direction of Fairmont State College and the Board of Education of the county in which the teaching is done.

NATIONAL TEACHER EXAMINATION

All students in the Teacher Education Program are required to take the National Teacher Examination prior to being recommended for graduation.

SUMMARY OF DEGREE REQUIREMENTS

Briefly stated, the requirements for the Bachelor of Arts in Education degree are: The candidate must earn a minimum of 128 hours credit in approved subjects with a quality point average of 2.0, or better, for all courses attempted and for all professional courses. He must attain a 2.2 average in each teaching field or specialization and shall meet the general and specific requirements set up for the curriculum and teaching fields he elects.

TEACHING CURRICULA

Grades 7 through 12

Each student who is qualifying for teaching and/or for school services in grades 7 through 12 shall complete the following:

I. General Studies
II. Professional Education
III. Specialization

(a) One comprehensive field of specialization authorizing him to teach in grades 7 through 12 the related subjects which comprise the comprehensive specialization

or

(b) Two single subject specializations for grades 7 through 12

or

(c) One single subject specialization for grades 7 through 12 and one designed for grades 7 through 9, identical with the specialization required for grades 5 through 9.

Grades 1 through 12

Each student who is qualifying for the teaching of Art, Music, or Health and Physical Education in grades 1 through 12 shall complete the following:

I. General Studies

II. Professional Education
To include methods and student teaching of the single subject specialization at both the elementary and secondary levels.

III. Specialization
Music—one comprehensive specialization
Art or Health and Physical Education—The curriculum for teaching field grades 1-12, and one single subject specialization 7-12 or a junior high specialization 5-9.

Grades 1 through 9

Each student who is qualifying for teaching and/or for school services in grades 1 through 9 shall complete the following:

I. General Studies

II. Professional Education

III. Specialization

(a) The Diversified Program for teaching in a self-contained classroom

and

(b) One Subject Specialization for team teaching and departmental teaching in grades 5 through 9.

REQUIRED PROGRAM OF GENERAL STUDIES FOR BACHELOR OF ARTS DEGREE IN EDUCATION

Required Areas for Humanities	AB. Ed.
Written English *102, 104, 108	6-9
Spoken English. Speech 210	3

Literature

English Literature 250	3
American Literature 260	3

Art Appreciation 255	2
Music Appreciation 205	2

Science & Mathematics

Biological or Physical Science 101, 102 or 201, 202	6
Mathematics (Any course)	3

Social Sciences

History 111, 112	6
Sociology 110	3
Economics 200	3
Political Science 103	3

Physical Education 102W, 103W or 114M, 115M	2

*Required only of students with deficiency in English.

REQUIRED PROGRAM OF PROFESSIONAL EDUCATION FOR BACHELOR OF ARTS DEGREE IN EDUCATION

Ed. 200	Introduction to Education	2
Ed. 302	Human Growth and Development	3
Ed. 303	Human Growth and Development	3

The allocation of course work in the Professional Block is as follows:

Curriculum for Grades 7-12

Ed. 400	Foundations of Education	2
Ed. 430	Methods of Teaching Reading in the Secondary Schools	2
Ed. 440	Principles of Teaching in the Secondary Schools	2
Ed. 442	General Methods of Teaching in the Secondary Schools	2
Ed. 450	Observation and Directed Teaching	7
431*	Methods and Materials in Teaching	2

Curriculum for Grades 1-12

Ed. 400	Foundations of Education	2
Ed. 405	Materials and General Elementary Methods	2
Ed. 410	Methods in Elementary Language Arts	2
Ed. 440	Principles of Teaching in the Secondary Schools	2
Ed. 442	General Methods of Teaching in the Secondary Schools	2
Ed. 425	Observation and Directed Teaching	7
431*	Methods and Materials in Teaching	2

Curriculum for Grades 1-9

Ed. 400	Foundations of Education	2
Ed. 405	Materials and General Elementary Methods	2
Ed. 410	Methods in Elementary Language Arts	2
Ed. 415	Methods in Elementary Social Studies	2
Ed. 420	Observation and Directed Teaching	7
Sci. 412	Science for the Elementary School	2

*The student who elects a comprehensive field must include 431, Methods and Materials in the comprehensive area. If he elects to complete two single subject specializations, he may choose Methods and Materials in either specialization. Should he elect to complete a single subject specialization in grades 7 through 12 and one for grades 5 through 9, he is required to complete Methods and Materials in the 7 through 12 area.

ELEMENTARY EDUCATION, GRADES 1-9

A. Required Diversified Program for self-contained classroom

Eng.	207	Children's Literature	3
Hist.	107	American History	3
Hist.	108	American History	3
Hist.	302	West Virginia History	3
Geog.	210	World Regional Geography	3
Biol.	101-102	General Biology	6
P. Sci.	201-202	General Physical Science	6
Math.	210	Math for Teachers	3
Mus.	231-232	Music Education	6
Art	353-354	Art Education	4
Health	310	School Health Problems	3
P. Ed.	328	Games and Rhythms for the Ele. School	2

B. Subject Specializations, Grades 5-9

Art	28	Sem. Hrs.
French	24	
General-Earth Science	31	
Health, Physical Education, Recreation, and Safety	28	
Home Economics	25-26	
Industrial Art.	24	
Language	24	
Mathematics	13	
Music	26	
School Librarian	18	
Social Studies	27	
Speech	18	

C. Kindergarten - Primary

Students who are qualifying for a Professional Certificate, Grades 1-9, may wish to add the Kindergarten - Primary endorsement to their certificate.

Curriculum For Kindergarten—Primary, K-3.

Required Courses 20 Sem. Hrs.

Art	352	Kindergarten—Primary Art	2
Education	310	Kindergarten—Primary Organization and Curriculum	3

Education	410	Methods in Elementary Language Arts	2
Music	230	Kindergarten—Primary Music	2
Speech	331	Children's Drama	2
Speech	331L	Children's Drama Laboratory	1
Speech	430	Speech Correction	3
I.E.	386	Industrial Arts for the Ele. Teacher	2
Home Ec.	330	Child Care and Development	3

CURRICULA FOR TEACHING FIELDS AND SPECIALIZATIONS

Art

Curriculum for Teaching Field. Grades 1-12

Required Courses		48 Sem. Hrs.
Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2
Art 242	Drawing and Painting from Life	3
Art 255	History and Appreciation of Art	2
Art 261	Painting in Oil	3
Art 278	Ancient and Medieval Art	3
Art 283	Modeling and Sculpture	2
Art 353	Elementary Art Education I	2
Art 354	Elementary Art Education II	2
Art 363	Painting in Watercolor	3
Art 377	Italian and Northern Renaissance Art	3
Art 378	19th Century and Contemporary Art	3
Art 383	Ceramics	3
Art 431	Methods and Materials in Teaching Art	2
Electives		7

Curriculum for Teaching Field. Grades 7-12

Required Courses		35 Sem. Hrs.
Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2
Art 255	History and Appreciation of Art	2
Art 261	Painting in Oil	3
Art 278	Ancient and Medieval Art	3
Art 283	Modeling and Sculpture	2
Art 353	Elementary Art Education I	2
Art 354	Elementary Art Education II	2
Art 363	Painting in Watercolor	3
Art 377	Italian and Northern Renaissance Art	3
Art 378	19th Century and Contemporary Art	3
Art 383	Ceramics	2

Curriculum for Subject Specialization. Grades 5-9.

Required Courses 28 Sem. Hrs.

Art 140	Art Structure and Applied Design	3
Art 141	Art Structure and Applied Design	3
Art 142	Drawing	2
Art 241	Drawing from Life	2
Art 255	History and Appreciation of Art	2
Art 283	Modeling and Sculpturing	2
Art 353	Elementary Art Education I	2
Art 354	Elementary Art Education II	2
Art 363	Painting in Watercolor	3
Electives		7

BIOLOGICAL, GENERAL-EARTH SCIENCE (Comprehensive) 54 Sem. Hrs.

Required in Biological Science 24 Sem. Hrs.

Biology 101	Introduction to Biology	3
Biology 102	Introduction to Biology	3

From Group A-Minimum 6

Biology 201	General Botany	4
Biology 330	Field Botany	3
Biology 340	Plant Kingdom I	3
Biology 341	Plant Kingdom II	3
Biology 342	Mycology	3

From Group B-Minimum 6

Biology 220	Invertebrate Zoology	4
Biology 221	Vertebrate Zoology	4
Biology 315	Field Zoology	3
Biology 322	Ornithology	2
Biology 350	Comparative Vertebrate Anatomy	4
Biology 410	Histological Technique	1-4
Biology 411	Histology	2
Biology 420	Vertebrate Embryology	4
Biology 450	Mammalian Physiology	4

Electives: May be elected from groups A and/or B or from group C listed below.

From Group C—no minimum requirement 6

Biology 224	Microbiology	3
Biology 242	Bio-ecology	3
Biology 343	Plant Pathology	3
Biology 380	Genetics	3
Biology 390	Biology of the Endocrines	3
Biology 415	Problems in Biology	1-4
Biology 480	Principles of Evolution	2

Required related courses 30 Sem. Hrs.

Chemistry	101	General Chemistry	4
Chemistry	102	General Chemistry	4
Physics	101	Introduction to Physics	4

Physics	102	Introduction to Physics	4
Geology	201	Physical Geology	3
Physics	202	Astronomy	3
Mathematics	110	or higher	6
Science	431	Methods and Materials in Teaching Science	2

BIOLOGICAL SCIENCE (Single Field 7-12) 46 Sem. Hrs.

Same as required in Biological Science above but omit Geology 201, Physics 202, and Science 431.

BUSINESS EDUCATION (Comprehensive) 43 Sem. Hrs.

Business	141	Business Mathematics	3
Business	201-202	Principles of Accounting	6
Business	304	Marketing	3
Business	306	Business Law	3
Economics	201-202	Economic Principles and Problems	6
Economics	303	Money, Credit and Banking	3
Sec. Stud.	102-211	Intermediate & Advanced Typewriting	4
Sec. Stud.	311	Office Machines	2
Sec. Stud.	301-302	Advanced Shorthand and Transcription	8
Sec. Stud.	351	Sec. Office Practice	2
Sec. Stud.	351L	Sec. Office Practice Lab	1
Business	431	Meth. & Mat. in Teaching Bus. Ed.	2

BUSINESS EDUCATION (Secretarial) (A second teaching field is required with this program.) 26 Sem. Hrs.

Business	141	Business Mathematics	3
Business	201-202	Principles of Accounting	6
Sec. Stud.	301-302	Advanced Shorthand & Transcription	8
Sec. Stud.	102-211	Intermediate & Advanced Typewriting	4
Sec. Stud.	311	Office Machines	2
Sec. Stud.	351	Sec. Office Practice	2
Sec. Stud.	351L	Sec. Office Practice Lab.	1

CHEMISTRY, General-Earth Science (Comprehensive) 48 Sem. Hrs.

Chemistry	105, 106	Chemical Principles	10
Chemistry	205	Analytical Chemistry	4
Chemistry	206	Instrumental Analysis	4
Chemistry	305	Organic Chemistry	4
Chemistry	340	Physical Approach to Modern Chem.	4
Physics	101	Introduction to Physics	4
Physics	102	Introduction to Physics	4
Physics	202	Astronomy	3
Geology	201	Physical Geology	3
Biology	101	Introduction to Biology	3
Biology	102	Introduction to Biology	3
Science	431	Meth. & Mat. in Teaching Science	2

CHEMISTRY (Single Field 7-12) 40 Sem. Hrs.

Same as required in Chemistry above but omit Geology 201, Physics 202, and Science 431.

ENGLISH (See Language Arts)

Curriculum for Single Teaching Field 7-12

Required Courses 36 Sem. Hrs.

English	104	Written English	3
English	108	Advanced Written English	3
English	250	Survey of English Literature	3
English	260	Survey of American Literature	3
English	321	Study of English Language	3

Electives

300-400 level language and composition courses	6
300-400 level literature courses	15

FRENCH (Teaching field, grades 7-12) 30 Sem. Hrs.

French	101	Elementary French	3
French	102	Elementary French	3
*French	201	Second Year French	3
*French	202	Second Year French	3
French	308	Conversation or	3
French	309	Advanced Grammar and Composition	3
French	400	Seminar	3

Electives from the following courses 9-12

French	210	Masterpieces of French Literature	3
French	301	Literature of the 17th Century	3
French	302	Literature of the 18th Century	3
French	309	Advanced Grammar and Composition	3
French	421	Literature of the 19th Century	3
French	422	Literature of the 19th Century	3
French	430	French Civilization and Culture	3
French	321	Contemporary Literature	3
*French	210	May be substituted for French 201 or 202	

FRENCH—Curriculum for Subject Specialization 5-9

Required Courses 24 Sem. Hrs.

French	101	Elementary French	3
French	102	Elementary French	3
French	201	Second Year French	3
French	202	Second Year French	3
French	308	Conversation or	3
French	309	Advanced Grammar and Composition	3
French	400	Seminar	3
Electives			3-6

GENERAL-EARTH SCIENCE (Subject Specialization, grades 5-9) 31 Sem. Hrs.

Biology	101, 102	Introduction to Biology	6
Chemistry	101, 102	General Chemistry	8
Physics	101, 102	Introduction to Physics	8
Geology	201	Physical Geology	3

Physics	201	Demonstrations in Physics	3
Physics	202	Astronomy	3

HEALTH AND PHYSICAL EDUCATION

Required Courses

		Grades 7-12 38 Sem. Hrs.		Grades 1-12 51 Sem. Hrs.	
102W, 103W or 114M, 115M	Freshman Orientation (Gen. Ed.)	2	(2)	2	(2)
SCIENCE			(6)		(9)
304	Anatomy and Physiology	3		3	
305	Kinesiology	3		3	
407	Physiology of Exercise			3	
FOUNDATIONS			(10)		(10)
250	Foundations of Physical Education	3		3	
362	Organization and Administration of Health, Physical Education and Recreation	3		3	
408	Adapted Physical Education	2		2	
431	Methods and Materials in Teaching Physical Education			2	
HEALTH EDUCATION AND SAFETY EDUCATION			(8)		(14)
100	Personal Health	3		3	
101	First Aid	2		2	
202	Community Health			3	
203	Safety			3	
310	School Health Problems	3		3	
PHYSICAL EDUCATION ACTIVITIES			(14)		(16)
(Men)					
118M or	Fundamental Skills and Exercise	3		3	
119M	Gymnastics	3		3	
328	Games and Rhythms for the Elementary School			2	
360	Evaluating and Assisting	3		3	
(Women)					
326W or	Coaching and Officiating Volleyball, Hockey and Soccer	3		3	
327W	Coaching and Officiating Basketball, Track, Softball, and Lacrosse	3		3	
328	Games and Rhythms for the Elementary School			2	
360	Evaluating and Assisting	3		3	

Electives to include individual, dual, and team sports, aquatics, and rhythmic activities with consent of advisor. 8 8

Curriculum for Subject Specialization in Grades 5-9

Required Courses 28 Sem. Hrs.

102W, 103W or 114M, 115M	Freshman Orientation (Gen. Ed.)	2	(2)

FOUNDATIONS (6)

250	Foundations of Physical Education	3
362	Organization and Administration of Health, Physical Education and Recreation	3

HEALTH EDUCATION AND SAFETY EDUCATION (8)

101	First Aid	2
203	Safety	3
310	School Health Problems	3

PHYSICAL EDUCATION ACTIVITIES (12)

(Men)

118M	Fundamental Skills and Exercise	3
or		
119M	Gymnastics	3
328	Games and Rhythms for the Elementary School	2

Electives to include individual, dual and team sports, aquatics and rhythmic activities with consent of advisor. 7

(Women)

135W	Fundamental Skills	1
328	Games and Rhythms for the Elementary School	2

Electives to include individual, dual and team sports, aquatics, and rhythmic activities with consent of advisor. 9

In addition to the above requirements, all men physical education majors and minors must participate in extracurricular activities which the departmental staff decides will help the student become a more competent physical educator. As a Freshman, the student will be expected to participate throughout the entire academic year; as a Sophomore, the equivalent of at least one semester, and as a Junior or Senior, at the discretion of the departmental staff.

HOME ECONOMICS (Comprehensive) 42 Sem. Hrs.

Clothing-Textiles

Home Economics	101	Principles of Clothing Construction	2
Home Economics	102	Advanced Clothing Construction	3

Home Economics	103	Principles of Clothing Selection	2
Home Economics	210	Textiles	3

Family Relations-(Child Development)

Home Economics	310	Family Life	3
Home Economics	330	Child Care and Development	3

Foods-Nutrition

Home Economics	201	Prin. of Food Selection & Preparation	3
Home Economics	202	Advanced Foods	3
Home Economics	303	Nutrition	3

Home Management, Household Equipment, Family Economics

Home Economics	312	Consumer Education	3
Home Economics	315	Home Management	3
Home Economics	316	Household Equipment	2

Housing, Home Furnishing

Home Economics	320	Home Planning and Furnishing	4
Home Economics	351	Home Arts	3
Home Economics	431	Meth. & Mat. in Teaching Home Ec.	2

General Chemistry 101 and 102 strongly recommended.

HOME ECONOMICS (Subject specialization, grades 5-9) 25-26 Sem. Hrs.

Home Economics	101	Principles of Clothing Construction	2
Home Economics	103	Principles of Clothing Selection	2
Home Economics	201	Prin. of Food Selection & Preparation	3
		or	
Home Economics	202	Advanced Foods	3
Home Economics	303	Nutrition	3
Home Economics	310	Family Life	3
Home Economics	315	Home Management	3
		or	
Home Economics	312	Consumer Education	3
Home Economics	316	Household Equipment	2-3
		or	
Home Economics	210	Textiles	3
Home Economics	320	Home Planning and Furnishing	4
Home Economics	330	Child Care and Development	3

General Chemistry strongly recommended.

INDUSTRIAL ARTS (Comprehensive—Second Teaching Field not Required) 56 Sem. Hrs.

FOUNDATION COURSES (Required) 32 Sem. Hrs.

I. E.	101-102	Basic Electricity I & II	2-2
	120	Drafting I	2
	160	Hand Woodworking	2
	165	Cold Metal Processing	2
	180	Materials and Processes of Industry	2

181	General Shop I	2
220	Drafting II	2
260	Machine Woodworking	2
265	Hot Metal Processing	2
281	General Shop II	2
380	Philosophy of Industrial Arts	2
381	Organization & Administration of Industrial Arts	2
385	School Shop Maintenance I	2
481	General Shop III	2
431	Methods & Materials of Teaching Industrial Arts	2

AREAS OF SPECIALIZATION 24 Sem. Hrs.

Select twelve hours each from two of the following areas of specialization. Electrical-Electronic, General Fabrication, Graphics (Drafting), Graphics (Printing), Manufacturing (Metals), Manufacturing (Woods), Power Mechanics.

ELECTRICAL-ELECTRONICS

I. E.	110	Basic Electronics I	2
	111	Basic Electronics II	2
	201	Electrical Measurements Lab. I	2
	202	Electrical Measurements Lab. II	2
	204	Electrical Machinery DC	2
	205	Electrical Machinery AC	2
	315	Industrial Electronics & Controls	2
	316	Advanced Electronics I	2
	317	Advanced Electronics II	2

GENERAL FABRICATION

I. E.	186	Recreational Crafts	2
	284	Plastics I	2
	285	Industrial Design	2
	286	Crafts	2
	289	Ceramics	2
	384	Plastics II	2
	386	Industrial Arts for the Ele. Teacher	2
	392	Blueprint Reading	2

GRAPHICS (Drafting)

I. E.	122	Architectural Drafting I	2
	222	Architectural Drafting II	2
	123	Machine Design	2
	223	Jigs & Fixtures	2
	320	Drafting Room Techniques I	2
	420	Drafting Room Techniques II	2
	221	Graphic Illustration	2
	321	Structural Drafting	2

GRAPHICS (Printing)

I. E.	130	Printing Processes	2
	131	Printing Laboratory I	2
	132	Typography I	2

	232	Typography II	2
	133	Offset Printing I	2
	233	Offset Printing II	2
	134	Graphic Layout & Design I	2
	234	Graphic Layout & Design II	2

MANUFACTURING (Metals)

I. E.	161	Gas Welding I	2
	162	Arc Welding I	2
	163	Sheet Metal I	2
	263	Sheet Metal II	2
	167	Machine Shop I	2
	267	Machine Shop II	2
	360	Metallurgy	2
	485	School Shop Maintenance II	2
	370	Manufacturing Processes I	2
	470	Manufacturing Processes II	2

MANUFACTURING (Woods)

I. E.	166	Building Construction (Res.) I	2
	266	Building Construction (Ind.) II	2
	391	Wood Finishing	2
	491	Wood Working III	2
	382	Furniture Construction & Design	2
	482	Cabinet Making	2

POWER MECHANICS

I. E.	140	Engine Theory I	2
	141	Engine Laboratory I	2
	142	Power Transfer Theory I	2
	143	Power Transfer Laboratory I	2
	144	Carburetion & Ignition Theory I	2
	145	Carburetion & Ignition Lab. I	2
	146	Hydraulic and Suspension Systems Theory I	2
	147	Hydraulic and Suspension Systems Laboratory I	2

SUBJECT SPECIALIZATION FOR GRADES 5-9 24 Sem. Hrs.

I. E.	101	Basic Electricity I	2
	120	Drafting I	2
	160	Hand Woodworking	2
	165	Cold Metal Processing	2
	180	Materials and Processes of Industry	2
	181	General Shop I	2
	281	General Shop II	2
	286	Crafts	2
	380	Philosophy of Industrial Arts	2
	381	Organization & Administration of Industrial Arts	2
	386	Industrial Arts for the Elementary Teacher	2
	481	General Shop III	2

The specialization for grades 5-9 will qualify for a second teaching field.

GENERAL SHOP CERTIFICATION 32 Sem. Hrs.

I. E.	101	Electricity I	2
	102	Electricity II	2
	120	Drafting I	2
	160	Hand Woodworking	2
	165	Cold Metal Processing	2
	180	Materials and Processes of Industry	2
	181	General Shop I	2
	220	Drafting II	2
	260	Machine Woodworking	2
	265	Hot Metal Processing	2
	281	General Shop II	2
	380	Philosophy of Industrial Arts	2
	381	Organization & Administration of Industrial Arts	2
	385	School Shop Maintenance I	2
	481	General Shop III	2

Students pursuing a General Shop Certification as a first field will be required to qualify in a second teaching field.

The General Shop Certification will qualify for a second teaching field for those having a first teaching field in another discipline.

Students who choose the General Shop Certification may qualify to teach unit shops by completing six additional semester hours in the respective areas of specialization by permission only.

LANGUAGE ARTS (See English)

Curriculum for Comprehensive Field 7-12

Required Courses 57 Sem. Hrs.

English	104	Written English	3
English	108	Advanced Written English	3
English	250	Survey of English Literature	3
English	260	Survey of American Literature	3
English	321	Study of the English Language	3
English	431	Methods and Materials in Teaching English	2
Speech	105	Voice and Diction	3
Speech	151	Play Production	2
Speech	210	Advanced Spoken English	3
Speech	221	Oral Interpretation	2
Speech	243	Debate	2
Speech	245	Oratory	1
Speech	401	Extemporaneous Speaking	1
Speech	336	Play Directing	2
Speech	430	Speech Correction	3
Journalism	240	Reporting	3
Journalism	312	Publication Problems	3

Electives

300-400 level language and composition courses	3
300-400 level literature courses	12

LANGUAGE ARTS—Curriculum for Subject Specialization 5-9

Required Courses 24 Sem. Hrs.

English	104	Written English	3

English	108	Advanced Written English	3
English	250	Survey of English Literature	3
English	260	Survey of American Literature	3
English	321	Study of the English Language	3

Electives

300-400 level language and composition course	3
300-400 level literature courses	6

DEPARTMENT OF MATHEMATICS

MATHEMATICS* (Comprehensive)*** 32 Sem. Hrs.

Mathematics	116	Calculus I	4
Mathematics	215	Calculus II	4
Mathematics	216	Calculus III	4
Mathematics	361	Abstract Algebra	3
Mathematics	372	Modern Geometry	3
Mathematics	431	Special Methods	2

Electives (must include at least six semester hours of the following: 200, 335, 342, 391) 12

MATHEMATICS** (Teaching Field, grades 7-12) 18 Sem. Hrs.

Mathematics	116	Calculus I	4
Mathematics	215	Calculus II	4
Mathematics	216	Calculus III	4
Mathematics	361	Abstract Algebra	3

Electives from the following courses 3

Mathematics	200	Mathematical Logic	3
Mathematics	335	Probability and Statistics	3
Mathematics	342	Numerical Analysis	3
Mathematics	362	Linear Algebra	3
Mathematics	372	Modern Geometry	3
Mathematics	373	Projective Geometry	3
Mathematics	391	Introduction to Analysis	3
Mathematics	393	Intro. to Found. of Mathematics	3
Mathematics	400	Seminar	1-3
Mathematics	401	Differential Equations	3
Mathematics	411	Advanced Calculus	3
Mathematics	413	Introduction to Complex Variables	3

MATHEMATICS—Curriculum for Subject Specialization 5-9.

Required Courses 13 Sem. Hrs.

Mathematics	115	Intermediate Mathematics II	4
Mathematics	210	Mathematics for Elementary Teachers	3
Mathematics	361	Abstract Algebra	3
Mathematics	372	Modern Geometry	3

*It is expected that students will present a minimum of four untis of secondary school mathematics including two units of algebra, one unit of integrated geometry (or equivalent), and a fourth unit requiring algebra and geometry as prerequisites. Students who present less than this expected preparation may be required to complete appropriate courses from among Math 111, 112, 115, in addition to the above requirements.

**Students selecting the 18 semester hour program in Mathematics shall complete another specialization for grades seven through twelve.

***Students should consult with their advisor concerning credit for prerequisites and Special Examination For Course Credit.

MUSIC

Curriculum for Comprehensive Teaching Field (1-12)

Required Courses			56 Sem. Hrs.
Music Theory:			18
*109 E Beginning Theory (Does not apply to theory requirement and may be eliminated by examination)		(2)	
109, 110 First Year Theory		8	
209, 210 Second Year Theory		8	
309 Orchestration		2	
Music History and Appreciation:			6
313, 314 History		6	
Conducting:			2
245 Fundamentals of Conducting Note: An additional 2 hours of advanced instrumental and choral conducting is included in Music 429, Instrumental Methods and Music 430, Choral Methods.		2	
Participation:			4
*****Band, Chorus, or small ensembles		4	
Applied Music:			18
Applied Major:		7	
141, I-VII Voice or 177-203, I-VII Instrumental (Brass Woodwind, Percussion, or Strings) or 107, I-VII, Piano or 103, I-VII, Organ	7		
Senior Recital: (See Fairmont State College Bulletin Supplement, "Applied Music Requirements.")		1	
440 Senior Recital	1		
Instrumental Classes		4	
211 String Class	1		
213 Brass Class	1		
215 Woodwind Class	1		
217 Percussion Class	1		
**170 Lab. Band-Orchestra	NC		

Applied Major:			6
For the Vocal Major:		6	
Elective: (On advice of Instructor)			
Instrumental Class II, or			
139 Voice Class	1		
***Piano:			
105, I-II Piano Class	2		
107, I-II-III Piano or			
****320 Techniques of Keyboard Accompanying (Piano Proficiency)	3		
For the Instrumental Major:		6	
Instrumental Class II (On advice of Instructor)	1		
***Piano:			
105, I-II Piano Class	2		
107, I-II Piano (Piano Proficiency)	2		
Voice:			
139 Voice Class	1		
For the Organ or Piano Major		6	
Elective: (On advice of Instructor)			
Instrumental Class II, or			
103 Organ (for Piano Major), or			
320 Techniques of Piano Accompanying	1		
Instrumental or Vocal Applied Minor:	4		
141, 177-203, I-IV			
Voice:	1		
139 Voice Class			
Music Education:			8
429 Instrumental Methods and Conducting		3	
430 Choral Methods and Conducting		3	
431 Methods and Materials in Teaching Music		2	

Curriculum for Subject Specialization in Grades 5-9

Required Courses		26 Sem. Hrs.
General Education Requirements		8
205 Music Appreciation	2	
231 Elementary Music Methods I	3	
232 Elementary Music Methods II	3	
Theory:		6
*109E Beginning Theory	2	
109 Theory (First Semester)	4	
Applied Music:		6
139 Voice Class or		
141 Voice	2	

105	I, II Piano Class	2	
***107	I, II Piano	2	
Participation:			4
*****Band or Chorus, and small ensembles.			
Conducting:			2
245	Fundamentals of Conducting	2	

Applied Music Levels: Upon entering this institution, all music majors will be assigned an applied level of performance by the faculty jury in either vocal or instrumental. Each student will be required to complete at least one applied level each year for a total of 4 levels for graduation. It is desirable that music majors complete level 7 in their major applied area. See Fairmont State College Bulletin Supplement, "Applied Music Requirements."

*Music 109E, Beginning Theory: This course required of all music majors and elementary specialists, but may be eliminated upon examination.

**Laboratory Band-Orchestra is held once each week for non-credit (NC). All persons taking Music 211, 212, 213, 215, and 217 are required to participate.

***Piano is required of all music students. At the completion of the required number of hours (4), each student must pass the piano proficiency examination. If failed, the student must continue to take piano until the piano proficiency examination is passed. This requirement is necessary for a degree in music. A student who so desires, may take the piano examination after completing one or more hours of piano. If successful, he is excused from the remaining hours which must be added to music electives in an applied area.

****Music 320, Keyboard Accompanying, may be substituted for applied piano.

*****All students majoring or minoring in music must participate in at least one campus major musical performing group during each semester of college attendance. After completion of the required number of participation credits, students will register in the performing groups on a credit or audit basis.

PHYSICS, General-Earth Science (Comprehensive) 46 Sem. Hrs.

Chemistry	101	General Chemistry	4
Chemistry	102	General Chemistry	4
Physics	101	Introduction to Physics	4
Physics	102	Introduction to Physics	4
Physics	201	Demonstrations in Physics	3
Physics	310	Electricity and Electronics	4
Biology	101	Introduction to Biology	3
Biology	102	Introduction to Biology	3
Geology	201	Physical Geology	3
Physics	202	Astronomy	3
Electives		Minimum of 5 hours in Physics	9
		Chemistry 0-4 hrs.	
		Physics 5-9 hrs.	
Science	431	Methods and Materials in Teaching Science	2

PHYSICS (Single Field 7-12) 38 Sem. Hrs.

Same as required in Physics above but omit Geology 201, Physics 202, and Science 431.

SOCIAL STUDIES (Comprehensive) 59 Sem. Hrs.

History	107, 108	United States History	6
History	111, 112	History of Civilization	6
History	302	West Virginia History	3
		American History elective Hist. 312, 315, 316, 317, 318, 319, 320, or 370	3
		European History elective Hist. 330, 331, 340, or 341	3
		Advanced History elective Any History course not used to meet one of the above requirements	3
Sociology	110	Introductory Sociology	3
		Sociology elective	3
Pol. Sci.	103	American National Government	3
		Political Science elective	3
Geography	210	World Regional Geography	3
		Geography elective	3
Economics	201, 202	Economic Principles and Problems	6
History	431	Meth. & Mat. in Teaching Soc. Stud.	2
		History and Social Science electives	9

An additional nine hours to be chosen from any one or several of the areas involved: economics, geography, history, sociology, or political science.

This requirement may be waived if the student

(1) takes twelve hours of a foreign language, or
(2) completes a second teaching field, grades 7-12.

SOCIAL STUDIES Subject Specialization 5-9 27 Sem. Hrs.

History	107, 108	United States History	6
History	111, 112	History of Civilization	6
History	302	West Virginia History	3
Sociology	110	Introductory Sociology	3
Pol. Sci.	103	American National Government	3
Geography	210	World Regional Geography	3
Economics	200	Economics	3

SPEECH

Curriculum for Single Field, Grades 7-12 30 Sem. Hrs.

Speech Science

Speech	105	Voice and Diction	3

Public Address

Speech	210	Advanced Spoken English	3
Speech	237	Effective Speaking	2

Speech	243	Argumentation and Debate	2
Speech	245	Oratory	1

Oral Interpretation

Speech	221	Oral Interpretation	2

Speech Correction and Audiology

Speech	430	Speech Correction	3

Dramatics

Speech	151	Play Production	2
Speech	251	Acting	2
Speech	336	Play Directing	2
Speech	336L	Play Directing Lab.	1

Radio and Television

Speech	330	Fundamentals of Radio and TV	2

Electives from classes listed below 5

Speech	222	Advanced Oral Interpretation	2
Speech	244	Intercollegiate Debating	1-4
Speech	401	Extemporaneous Speaking	1
Speech	334	Radio Production	2
Speech	334L	Radio Production Lab.	1
Speech	101	Fundamentals of Speech	3
Speech	120	Theatre Appreciation	2
Speech	152-452	Theatre Workshop	1-2
Speech	252	Acting Workshop	1-4
Speech	301-301L	Make-up	1-2
Speech	321	Summer Theatre: Rehearsal and Performance	1-3
Speech	322	Summer Theatre: Production and Management	1-3
Speech	331	Children's Drama	2
Speech	331L	Children's Drama Lab.	1
Speech	440	Speech and Drama Seminar	1

Curriculum for Subject Specialization 5-9.

Required Courses 18 Sem. Hrs.

Speech	105	Voice and Diction	3
Speech	210	Advanced Spoken English	3
Speech	237	Effective Speaking	3
Speech	331	Children's Drama	2
Speech	331L	Children's Drama Lab.	1
Speech	336	Play Directing	2
Speech	336L	Play Directing Lab.	1
Speech	430	Speech Correction	3

SCHOOL LIBRARIAN

Curriculum for Grades 7-12 21 Sem. Hrs.

Lib. Sci.	*200	Reference and Bibliography	3
	*210	Library Materials	3

	*302	Catalogue and Classification	3
	*304	Organization and Administration	3
	*400	Library Practice	3
English	207	Children's Literature	3
Education	*424	Audio Visual Aids	3

A student selecting School Librarian as a secondary specialization shall complete another specialization for grades 7-12.

*Curriculum for Subject Specialization,
Grades 5-9 18 Sem. Hrs.

The same curriculum is required for the Subject Specialization in grades 5 through 9. However, English 207, Children's Literature, will have been required as a part of the Diversified Program.

COURSES OF INSTRUCTION

ART

(Division of Fine Arts)

140. **Art Structure and Applied Design** Three hours

A basic course in the principles of design applicable to various media and techniques.

141. **Art Structure and Applied Design** Three hours

A continuation of Art 140.

142. **Drawing** Two hours

The development of technical skills in the use of various media for a fundamental knowledge stressing observation, memory training, and composition.

241. **Drawing from Life** Two hours

Drawing from the posed model accompanied by analytical studies of anatomy.

242. **Drawing and Painting from Life** Three hours

Focuses on sustained individual development. PR: Art 142-241.

255. **History and Appreciation of Art** Two hours

Emphasis upon art in contemporary living. Considers the social political, and economic impact upon historical backgrounds and modern developments in various art fields.

261. **Painting in Oil** Two-Three hours

A course designed for those who have had no previous work in painting in oil. PR: Art 142.

262. **Painting in Oil** Two-Three hours

Continuation of Art 261.

278. **Ancient and Medieval Art** Three hours

History of Art from Prehistoric times to 1400 A.D. An analysis of the philosophical, religious, and political beliefs and conditions that produced various artistic expressions. PR: Art 255.

283. **Modeling and Sculpture** Two-Three hours

Introductory course using clay modeling, plaster, and metal sculpture.

284. **Modeling and Sculpture** Two-Three hours

Continuation of Art 283.

341. **Graphics** Two hours

A study of the methods of reproducing drawings beyond the exploratory level: lithography, etching, woodcutting, and others. PR: Art 140, 142.

352. **Kindergarten-Primary Art** Two hours

Experiences and theory designed to prepare students to teach art on the kindergarten-primary level.

353. **Elementary Art Education I** Two hours

Directed experiences in two and three dimensional media such as, drawing, painting, poster, sculpture, and design using various media suitable for children.

354. **Elementary Art Education II** Two hours

The theories, philosophy, and methods of teaching art education. Experiences supplemented — with reference to the needs of students in elementary teaching.

361. **Painting in Oil** Two-Three hours

Still life, landscape, and figure painting in oil.

362. **Painting in Oil** Two-Three hours

Continuation of Art 361.

363. **Painting in Watercolor** Two-Three hours

Composition and techniques of painting in watercolor. PR: 142.

364. **Painting in Watercolor** Two-Three hours

Continuation of 363.

377. **Italian and Northern Renaissance Art** Three hours

History of painting, sculpture, architecture, and the minor arts in Italy, the Netherlands, Germany, Spain, France, and England from circa 1400 A.D. to the 19th century. PR: Art 255.

378. **Nineteenth Century and Contemporary Art** Three hours

History of art from the 19th century to the present with an analysis of art movements. PR. Art 255.

383. **Ceramics** Two-Three hours

Ceramic design and techniques, such as slab, coil, wheel, etc. for beginners.

384. **Ceramics** Two-Three hours

Continuation of Art 383.

431. **Methods and Materials in Teaching Art** Two hours

Planning and application of problems for junior and senior high schools. Coordinated with the Education Department and the public schools. Designed for students who are practice teaching or for teachers in service.

461. **Advanced Painting in Oil** Two-Three hours

462. **Advanced Painting in Oil** Two-Three hours

Continuation of 461.

463. **Painting in Any Medium** Two-Three hours

The student is permitted to select the medium and then experimentally exploit all the technical and creative possibilities that it permits.

491. **Interior Design** Three hours

Problems of designing and furnishing the home. Considers traditional backgrounds and contemporary developments.

BIOLOGY

(Division of Science and Mathematics)

101. **Introduction to Biology** Three hours

This course and the one following constitute a year's study of the biological principles governing living things with particular emphasis on their human implications. The approach of this course was designed especially for teachers in elementary and secondary schools by a state committee of college teachers of biology.

102. **Introduction to Biology** Three hours

Continuation of 101.

201. **General Botany** Four hours

Two lectures and two-hour laboratories each week. The first part of the semester is given to the study of the structures and functioning of the seed plant. The second part includes a survey of both lower and higher forms of plants with emphasis on reproductive structures. Basic to all other botany courses.

220. **Invertebrate Zoology** Four hours

Facts and principles fundamental to an understanding of the invertebrate animals. This course is designed for majors in zoology or biology and premedical students.

221. **Vertebrate Zoology** Four hours

A continuation of 220.

224. **Microbiology** Three hours

Two lectures and one two-hour laboratory each week. The techniques of isolating and identifying bacteria are considered. Attention is given to the several types of disease-producing microorganisms and methods of control. This is a general course designed to give the student an understanding of the importance of microorganisms in the life of man.

242. **Bio-Ecology** Three hours

This course constitutes a study of the relationship of organisms to their environment. The edaphic, climatic, and biotic factors are given consideration. Human ecology and conservation are presented where pertinent. PR: 101, 102.

284. **Bio-Photography** Two hours

A course designed to familiarize students with the fundamentals of photography and its many applications in the field of biology. Some attention is given to photomicrography. Open to students that have an interest in both photography and biology. PR: 101 and 102, or consent.

315. **Field Zoology** Three hours

Primarily for those who teach or intend to teach biology. This course aims to familiarize students with the animal life of the State in its natural surroundings and includes the collection, identification, and study of habits of the various forms found in this region. PR: Biol. 101-102, or equivalent.

322. **Ornithology** Two hours

Field and laboratory studies on the structure, identification, migration, protection, nesting, and food habits of birds.

330. **Field Botany** Three hours

One lecture and two two-hour laboratories each week. Designed primarily for those students that plan to teach. The various groups of plants are considered in the field and laboratory with emphasis on the seed plants. Some attention is given to ecology. PR: Consent of instructor.

340. **The Plant Kingdom** Three hours

Two lectures and one two-hour laboratory each week. This course deals with the structural characteristics of the great plant groups through the Bryophytes. Their organization, development, and reproductive structures are considered in detail. Teaching materials are compiled, techniques developed, and there are field trips on occasion. PR: Biol. 201.

341. **The Plant Kingdom** Three hours

Two lectures and one two-hour laboratory each week. Continuation of the Plant Kingdom, 340, but may be taken as an independent unit. This course covers the vascular plants including the ferns, gymnosperms, and angiosperms. PR. Biol. 201.

342. **Mycology** Three hours

This course constitutes a study of the development, morphology and taxonomy of the fungi and to familiarize the student with their relations to human affairs. Two lecture and one two-hour laboratory weekly. PR: Biol. 101, 102.

343. **Plant Pathology** Three hours

This course constitutes a study of the casual agents of plant diseases and their morphological and physiological effects upon the host. Consideration is also given to the control measures involved. Two lectures and one two-hour laboratory weekly. PR: Biol. 342 and 330 or consent of instructor.

350. **Comparative Anatomy of Vertebrates** Four hours

PR: Biol. 101, 102 or equivalent.

371. **Plant Anatomy** Three hours

Two lectures and one two-hour laboratory each week. Attention is given to the fundamental tissue organization of the higher plants. Development and differentiation of cell types and structures are considered as they relate to the functioning of the organism as a whole. PR: Botany 201.

380. **Introduction to Genetics** Three hours

Elementary studies of the principles of heredity. PR: Biol. 101, 102 or equivalent.

390. **The Biology of Endocrines** Three hours

A study of the structure and function of the endocrine glands of animals and man, their products and interactions. A survey of natural and synthetic plant hormones is also included.

410. **Histological Technique** One-Four hours

The preparation and miscroscopic study of animal tissue. PR: Biol. 221 or 350.

411. **Histology** Two hours

An introduction to the cells, tissues, and organs of mammals. PR: Biol. 221 or 350.

415. **Problems in Biological Sciences** One-Four hours

This course is designed for students who have interest in a specific problem in biology. It should not be used as a means of meeting requirements but rather as a research course that goes beyond the usual courses in developing the student.

420. **Vertebrate Embryology** Four hours

Introductory study of the developments of the vertebrates, dealing chiefly with the frog, chick, and mammal. PR: Biol. 101, 102 or equivalent.

425. **Neurobiology** Three hours

An introduction to the structures and functions of the mammalian nervous system. PR: Biol. 350 or 450.

450. **Mammalian Physiology** Four hours

An introductory study of the functions and interelationships of mammalian organs. Two hours of lecture and two two-hour laboratory periods each week. PR: Biol. 221 and consent of instructor.

451. **Plant Physiology** Three hours

Two lectures and one two-hour laboratory each week. All of the physiological processes of plants are considered; ascent of sap, transpiration, food synthesis, respiration, translocation, and growth and development. PR: Biol. 201.

480. **Principles of Evolution** Two hours

An introduction to the study of evolution. PR: Biol. 101, 102, or equivalent.

BUSINESS ADMINISTRATION

(Division of Commerce)

102. **Introduction to Business** Three hours

A survey of the various fields of business designed to acquaint the student with the basic principles, practices, and employment opportunities of each field. The student is provided, early in his college training, with the information of, and preparation for, the advanced courses in business to aid in choosing his major studies.

141. **Business Mathematics** Three hours

This course is designed to provide knowledge and skill in the computation of the practical problems of a business. The course content should form a sound basis for further study in the following areas: accounting, business finance, marketing, and related business subjects. Special emphasis will be directed to review of the basic arithmetic skills. Does not satisfy mathematics in General Requirements.

201. **Principles of Accounting** Three hours

Fundamental bookkeeping procedures. Organization of accounts, journalizing and posting, expense and revenue, adjustments and closing procedures, and the preparation of financial and operating statements for individual proprietorships.

202. **Principles of Accounting** Three hours

The first and second semesters of this course are designed to give students an adequate grounding in the recording classifying and summarizing phases of accounting in order to proceed with the interpretation of accounting data. This course is a basic course for (1) accounting majors, (2) majors in other areas of business administration, and (3) those whose major interest is in economics, political science, law, or other professional areas. PR: Bus. 201.

205. **Salesmanship** Three hours

A study of techniques appropriate to personal selling, both retail and contact. Students are given opportunities to construct and give sales presentations.

227. **Industrial Organization for Technical Education** Three hours

This course is a survey of the production division in modern industry. A study is made of principles and techniques of organization plans; production planning, routing, scheduling, dispatching and control; physical layouts for production; production standards, purchasing and inventory control; and staffing problems in production. Emphasis is placed on application of these principles in operating management. (For students earning Technical Education credits only).

301. **Advanced Accounting** Three hours

Interpretation and use of accounting data. Accounting theories applicable to the evaluation of assets and determination of liabilities and net worth. Contemporary accounting problems receive full attention including current tax practice and procedures. PR. Bus. 201, 202.

302. **Advanced Accounting** Three hours

Continuation of 301. Accounting for partnerships, installment sales, consignment sales, branch accounting, consolidated statements, and estates and trusts. PR. Bus. 301.

304. **Marketing** Three hours

A study of those business activities that direct the flow of goods and services from producers to consumers. PR. Econ. 201, 202, or consent of instructor.

306. **Business Law** Three hours

A study of the nature and function of our legal system, courts and procedure including the fundamentals of the law of contracts, agency and partnership.

307. **Business Law** Three hours

Continuation of 306. Fundamentals of the law of corporations, sales, negotiable instruments and the legal basis of property as applied to business situations. Business 307 will not satisfy 3 hours requirement in the teaching field in Business Education (Comprehensive). PR: Bus. 306.

308. **Personnel Management** Three hours

A study of the field of personnel management and industrial relations including its background, development, and modern practices.

309. **Industrial Organization and Management** Three hours

The emphasis in this course is on the modern approach to the field of management. Attention is directed to analysis and extensive use of the case study method where the instructional material is related to business enterprise in operation.

310. **Statistics** Three hours

The course includes computation of statistical measurements, methods of collecting and analyzing data, and the interpreting of results.

314. **Office Management** Two hours

The study of office management principles, analysis of office procedures, filing, transcribing, correspondence, reports, business machines and forms. The application of personnel management techniques to office management, office organization and office layouts.

320. **Principles of Advertising** Three hours

A survey course of the social, psychological, and some technical aspects of advertising. For Business and Journalism students.

327. **Accounting for Technical Education** Three hours

This course is designed to provide the student with (1) knowledge of tools and techniques for record keeping, reporting and interpretation of finances in industrial operation and (2) an understanding of cost problems involved in industrial production. A study is made of the principles of general accounting and methods of accounting for cost as used in industry. Emphasis is placed on development of skill in communication and understanding of problems between finance and production. (For students earning Technical Education credits only).

401. **Business Finance** Three hours

This course is intended to give the student a background in the field of financial management with emphasis on the areas of cost of capital, cost of external equity capital, cost of retained earnings, and similar concepts. It will also include material investment decisions and financial decisions. PR: Bus. 201, 202.

404. **Cost Accounting** Three hours

The relationship of cost accounting to the performance of management functions. The role of cost and profit data in management pursuit of company objectives is studied with four basic points of view in mind: (1) cost principle, (2) cost determination, (3) cost control and (4) cost analysis. PR: Bus. 201, 202.

405. **Auditing** Three hours

Duties and responsibilities of auditors, methods of verification of balance sheet and income and expense accounts with the applicable principles of internal control. Preparation of working papers, schedules, audit reports and certificates. PR: Bus. 201, 202, 301, 302.

406. **Federal Income Tax Accounting: Individual** Three hours

Preparation of income tax returns from the accounts of an individual; exclusions and inclusions for gross income, capital gains and losses, business expenses and other deductions.

407. **Federal Income Tax Accounting: Partnership and Corporation** Three hours

Continuation of 406, including preparation of income tax returns from accounts of partnerships, estates and trusts, and corporation. PR: Bus. 406. While previous accounting knowledge or experience will be helpful, no prior accounting training, knowledge, or experience is required.

410. **Investments** Three hours

A study of the principles of investment procedures and practices to follow in investing money.

430. **Electronic Data Processing** Three hours

The course will provide instruction and supervised practice in computer programming with FORTRAN and COBOL compiler languages. In addition, a survey of Electronic Data Processing and computer systems will familiarize the student with computer applications in all phases of business, science, and research.

431. **Materials and Methods in Teaching Business Education** Two hours

The latest methods, procedures, and techniques of teaching the skilled and nonskilled Business Education courses. Audio visual resources and equipment available for the teaching of these subjects will be studied. Students will participate and observe classroom teaching.

CHEMISTRY

(Division of Science and Mathematics)

101. **General Chemistry** Four hours

Three lectures and one three-hour laboratory. A survey of traditional and modern Chemistry with emphasis on concepts and the role of Chemistry in modern life. For students who do not plan to take any courses beyond Chemistry 102. This course has no prerequisites.

102. **General Chemistry** Four hours

Three lectures and one three-hour laboratory. Continuation of Chemistry 101. PR: Chemistry 101.

103. **Modern Chemistry** Three hours

Two lectures and one three-hour laboratory. This course is designed to provide background for those students who take Chemistry 101 and 102 and then decide to take additional chemistry. PR: Chemistry 102.

105. **Chemical Principles** Five hours

Three lectures and two three-hour laboratories. A study of inorganic and elementary physical chemistry based on modern chemical concepts, including Stoichiometry, Atomic and Molecular Structure, Periodic Properties, Phase Relations, Solution Chemistry, Chemical Equilibrium and Kinetics, Electrochemistry, and Nuclear Chemistry. Qualitative Analysis in included in the laboratory. PR: One unit of high school chemistry.

106. **Chemical Principles** Five hours

Three lectures and two three-hour lanoratories. Continuation of Chemistry 105. PR: Chemistry 105.

205. **Analytical Chemistry** Four hours

Two lectures and two three-hour laboratories. Classical methods of chemical analysis with emphasis on quantitative techniques. Also includes theory of acid-base, precipitation, and oxidation methods, Molecular Structure, and an introduction to electrochemistry. Pr: Chemistry 103 or 106.

206. **Instrumental Analysis** Four hours

Two lectures and two three-hour laboratories. Theory of and practical experience in the use of modern chemical instrumentation. Includes Spectroscopic, Chromatographic, Electrochemical, and Radiochemical methods. PR: Chemistry 205.

305. **Organic Chemistry** Four-five hours

Three lectures and one or two three-hour laboratories. A systematic study of organic chemistry with emphasis on kinetic behavior, structural relationships, and reaction mechanisms. Includes the study of all major classes of organic compounds and functional groups. Chemistry majors must take the 5 hour course; others may elect either the 4 or 5 hour course. PR. Chemistry 103 or 106.

306. **Organic Chemistry** Four-five hours

Three lectures and one or two three-hour laboratories. Continuation of Chemistry 305. PR: Chemistry 305.

340. **Physical Approach to Modern Chemistry** Three hours

Three lectures. A study of elementary physical chemistry for teachers. This course is designed to provide the background necessary to teach the new high school courses in chemistry, physics, and physical science. Pre-or-Corequisite: Chemistry 305.

401. **Independent Study and Research** Two hours

Independent study and research under the direction of a faculty member. PR: Consent of Instructor.

402. **Independent Study and Research** Two hours

Independent study and research under the direction of a faculty member. PR: Consent of Instructor.

405. **Physical Chemistry** Four hours

Three lectures and one three-hour laboratory. A rigorous study of Kinetics, Thermodynamics, Quantum Mechanics, Phase Equilibria, Electrochemistry, and Nuclear Chemistry. PR: Chemistry 206, Chemistry 305, Mathematics 215, and Physics 102.

406. **Physical Chemistry** Four hours

Three lectures and one three-hour laboratory. Continuation of Chemistry 405. PR. Chemistry 405.

440. **Intermediate Organic Chemistry** Three hours

Three lectures. An advanced study of organic reaction mechanisms. PR: Chemistry 306.

450. **Intermediate Inorganic Chemistry** Three hours

Three lectures. An advanced study of inorganic reactions, coordination compounds, and theories based on quantum mechanical principles. PR: Chemistry 405.

ECONOMICS

(Division of Commerce)

101. **American Business and Industry** Three hours

A study of the principal American industries with emphasis on their contributions and place in the American economy. Geography, technology, competition, economic structure, and history of each major industry group is developed.

200. **Economics** Three hours
(Required course for general education)

The general education course in the field of economics. It is intended to introduce the student to the broad field of economics, including materials from both macro and micro-economics. Primarily, the course instructs the student in how our economic system operates. Some attention is given to othzr economic systems. Not open to students with credit for Economics 201. Replaces Economics 210.

201. **Economic Principles and Problems** Three hours
(For those meeting the requirement of six hours in Economics)

The course approaches the subject from the point of view of Microeconomics covering the nature and method of economics and describing how the capitalistic system functions. Further study is made of the business cycle, fiscal policy, monetary policy, gross national product and similar concepts. Some time is devoted to the study of competing economic systems. Not open to students with credit for Economics 200.

202. **Economic Principles and Problems** Three hours
(For those meeting the requirement of six hours in Economics)

This course is devoted to Microeconomics. It follows the analysis of the firm and the decisions made by the managers of the firm. It includes the analysis of demand and supply and price and output determination. It is also concerned with the important problems in the field of economics: Monopoly , agriculture, international trade, labor, economic development and similar problems.

303. **Money, Credit, and Banking** Three hours

An intensive study of money and credit principles with an analysis of their effects upon prices. History of banking. Banking principles and practices. PR: Economics 201, 202.

307. **Personal Finance** Three hours

A study of the problems a consumer must face in his or her day-to-day buying and living. It includes a brief survey of budgets, life insurance, investments, managing personal finances, buying services, and other problems of the consumer. Primarily intended as a general education course for non-majors.

405. **Economic Analysis** Three hours

This course is intended to provide the student with experience in economic analysis with a purpose to develop the power of decision-making. Material to be studied will include the areas of forecasting, economic measurements, capital management, and similar subjects. It is intended to provide the advanced student with a review of economics and with its application to business practice. PR: 18 hours of Economics and Business.

406. **Guided Economy Study** One-Three hours

Intensive reading, research, and study in current literature and documents in regard to a selected economic problem or group of problems. The field of study will be one in which the student has a special interest. All work will be done individually and the class will be conducted by conferences with each student. PR: 17 hours of Economics, Business, and Social Science courses.

EDUCATION

(Division of Education)

200. **Introduction to Education** Two hours

An analysis will be made of teaching as a career. A self-analysis will be made by the student to ascertain his probable fitness for the profession of teaching. It is a prerequisite for Education 302. Not open to students who have credit in six hours or more of professional education. Open to sophomores only.

302. **Human Growth and Development** Three hours

The aim of the course is to develop an interest in and an understanding of the child as a developing personality. Observations are required. PR: Education 200.

303. **Human Growth and Development** Three hours

This course is a study of the learning process and its relationship to the growth and development of the individual. PR: Education 302.

310. **Kindergarten-Primary Organization & Curriculum** Three hours

Scope and sequence of kindergarten-primary organization and curriculum. Observations and first-hand experiences with children of this age required. PR: Education 200, 302, and 303.

395. **Survey of Guidance** Three hours

Principles of educational, vocational and personal guidance are examined. Guidance techniques are studied. PR: Education 302 and 303.

400. **Foundations of Education** Two hours

This course is designed to provide an opportunity for students to explore social, historical and philosophical theories and their implications for the interpretation of educational thought and procedure.

405. **Materials and General Elementary Methods** Two hours

PR: Education 302 and 303.

410. **Methods in Elementary Language Arts** Two hours

PR: Education 302 and 303.

415. **Methods of Elementary Social Studies** Two hours

PR: Education 302 and 303.

420. **Observation and Directed Teaching (Elementary)** Three-Seven hours

Student teaching must be on two levels. PR: Education 302, 303, 400, 405, 410, 415 and consent of the instructor.

424. **Audio-Visual Aids** Three hours

Techniques of effective use of graphic materials, unprojected pictures, objects, specimens, models, field journey, projected pictures, and audio aids. Required laboratory work includes operation of sound motion picture projectors, slide film, and opaque projectors, and phonotranscription audio equipment.

425. **Observation and Directed Teaching (Grades 1-12)** Three-Seven hours

For non-academic students seeking certification in grades 1-12. PR: Education 302, 303, 405, 442, 440 and consent of the instructor.

430. **Methods of Teaching Reading in the Secondary Schools** Two hours

PR: Education 302 and 303.

431. **Materials and Methods** Two hours

A course in special methods. Chairmen of departments of subject matter fields requiring unique and special methods may offer this course in cooperation with the Department of Education after securing approval. PR: Education 302, 303.

440. **Principles of Teaching in the Secondary Schools** Two hours

PR: Education 302 and 303.

442. **General Methods of Teaching in the Secondary Schools** Two hours

PR: Education 302 and 303.

450. **Observation and Directed Teaching (Secondary)** Three-Seven hours

PR: Education 302, 303, 400, 430, 440, 442 and consent of the instructor.

ENGLISH

(Division of Language and Literature)

102. **Written English** Three hours

Training in writing and speaking good English, including a short review of grammar, sentence structure, and punctuation; attention to the organization and development of thought, both in student compositions and in expository reading material; guidance in the use of reference books.

104. **Written English** Three hours

Emphasis on reading for implication and critical evaluation; further writing projects, including a research pper.

English 104 is prerequisite for English 108 and all English courses numbered 200 or above.

108. **Advanced Written English** Three hours

Practice in writing in which attention to rhetorical principles is a guiding emphasis. PR: English 104.

108-R **Review of Written English** No-credit

A review course required of all students who receive a "D" grade in English 108. Emphasis is on writing and rewriting under close supervision.

207. **Children's Literature** Three hours

A survey of literature desirable for children; development of principles of selection and standards of evaluation; wide acquaintance with current books.

250. **Survey of English Literature** Three hours

A study of the mind and temper of the English people as seen in their literature from Chaucer through the early twentieth century.

260. **Survey of American Literature** Three hours

An historical study of the American mind as expressed in literature from colonial times to the present.

302. **Narrative and Descriptive Writing** Three hours

Practice in writing the simpler forms of fiction and personal narrative with descriptive detail.

306. **Advanced Technical Composition** Three hours

A course designed to provide practice in writing of expository articles and reports of a technical nature largely in the field of engineering.

311. **Literature of the Romantic Period** Three hours

A concentrated study of the works of such writers as Burns, Wordsworth, Coleridge, Byron, Shelley, and Keats.

312. **Literature of the Victorian Period** Three hours

A concentrated study of the works of such writers as Tennyson, Browning, Rossetti, Arnold, Swinburne, Mill, Ruskin, and Carlyle.

313. **Shakespeare** Two hours

A study of representative comedies.

314. **Shakespeare** Two hours

A study of representative tragedies.

318. **Modern Drama** Three hours

The history of the British drama and the study of modern dramas—Continental, British, and American—from Isben to the present time.

319. **General Semantics** Three hours

Study in that branch of linguistics concerned with the nature, structure, and meaning of words and with the role of language in human behavior.

321. **Study of the English Language** Three hours

Word history and analysis; diction; descriptive grammar and constructions; fundamentals of composition. Required of all prospective teachers of English to be taken before professional block. Sophomores must have permission of instructor.

322. **The Short Story** Two hours

A critical study of this art form as a representative of dramatic motivation in human experience, based upon the work of British , Continental, and American authors.

341. **Survey of World Literature** Three hours

A study in translation of some of the great writers of the world, exclusive of English and American, from Homer through Dante.

342. **Survey of World Literature** Three hours

A continuation of 341 covering the period from the Renaissance to modern times.

343. **The Current Scene in Literature** Three hours

A course showing present-day attitudes as reflected in the work of American and foreign writers.

345. **The Novel** Three hours

An historical and critical study of great British and American novels of the nineteenth and twentieth centuries.

348. **The Bible as Literature** Three hours

A study of the literary types and content of the Bible.

353. **Eighteenth Century Literature** Three hours

A study of important British writers of the period, particularly Swift, Pope, Addison, and Johnson.

360. **Major American Poets** Two hours

A study of leading American poets, particularly Poe, Emerson, Whitman, Dickinson, Frost, Pound, and Eliot.

371. **Folk Literature** Three hours

A survey course whose chief emphasis is on the study of ballads, but kindred material is also studied and collected—superstitions, hymns, riddles, stories, and songs.

413. **Expository Writing** Three hours

Study and practice of the various kinds of expository writing with special emphasis upon the skilled production of research papers.

420. **Seventeenth Century Literature** Three hours

A study of important British writers of the period, including Donne and Herrick, and emphasizing Milton.

431. **Methods and Materials in Teaching English** Two hours

Study and practice in the techniques of teaching the fundamentals of grammar and mechanics, composition, and the varied types of literature.

450. **Readings for Honors** One-Three hours

Intensive study in the work of one or more significant authors. Subject area to be suggested by the student and approved by the instructor. PR: Consent of Instructor.

460. **Independent Research** One-Three hours

One or more research papers embodying the results of independent investigation in an area or areas of interest to the student. PR: Consent of Instructor.

FRENCH

(Division of Language and Literature)

101. **Elementary French** Three hours

Pronunciation, oral comprehension and speaking, reading and written drill and composition, elements of grammar. Laboratory. No credit is given for French 101 without 102.

102. **Elementary French** Three hours

Continuation of 101 completing the basic grammatical principles. One year of high school French is also considered as a satisfactory prerequisite for this course.

201. **Second Year French** Three hours

Reading of excerpts of many types of French writing, drill on difficult passages, verbs, etc. and conversation and comprehension stressed. Laboratory, PR: 101, 102 or two years of high school French.

202. **Second Year French** Three hours

Continuation of French 201. Comprehension, speaking, reading and writing. PR: 201. Lab used.

210. **Masterpieces of French Literature** Three hours

A course emphasizing reading and aural comprehension of a wide range of French poetry, fiction, and drama. May be substituted for French 201 or French 202, with permission of instructor. PR: 9 hours French , or permission of instructor.

301. **Literature of the Seventeenth Century** Three hours

Reading of the plays of Corneille, Racine, Moliere with outside reports from other classical writers. Comprehension, speaking, reading and writing all stressed. PR: Two years of college French or equivalent. Lab used.

302. **Literature of Eighteenth Century** Three hours

Authors of the Enlightment such as Voltaire, Rousseau, Montesquieu, including all types of literature. Comprehension, speaking, reading and writing stressed. PR: Same as for 301. Lab used.

308. **French Conversation** Three hours

Intensive drill in expressions of common usage in the most frequent situations to be encountered by a student. An attempt to develop fluency in speaking and better comprehension of a variety of subjects. PR: French 202. Lab.

309. **Advanced Grammar and Composition** Three hours

Intensive review of basic grammar and study of more obscure grammatical principles developed through the oral-aural method. PR: French 202. Lab.

321. **Contemporary Literature** Three hours

This is 20th century literature stressing outstanding writers such as Camus, Mauriac, Maurois, St. Exupery, Gide, etc. Comprehension and speaking stressed. PR: French 202.

400. **Seminar** Three hours

This course is designed to be given the semester preceding the semester when the block is taken. It is an independent study course, preparing each student individually for his teaching. The weaknesses of the student are noted and that phase of his learning is stressed, whether speaking, comprehension, areas of reading he has missed, or writing.

421. **Nineteenth Century Literature to 1850** Three hours

The emphasis in this course is on Romanticism with reading from Chateaubriand, Hugo, Lamartime, De Musset, De Vigny. Excerpts from mid-century writers also are read such as Stendhol, Balzac, Merimee, etc. Comprehension, speaking also stressed in this course.

422. **Nineteenth Century Literature Since 1850** Three hours

The emphasis in this course is on Realism, Naturalism, Symbolism with Flaubert, Zola, De Maupassant, etc. and a number of poets of the symbolist movement read and discussed. Comprehension and speaking French stressed.

430. **French Civilization and Culture** Three hours

This is a broad study of French civilization from its very beginning to the present, dealing with the outstanding periods historically and culturally and the contributions of French to the world of culture. Comprehension, speaking, reading and writing stressed in that order. PR: 12 hours French.

431. **Methods and Materials in Teaching French** Two hours

Study and practice in teaching French language and literature, grades 7-12.

GEOGRAPHY

(Division of Social Science)

210. **World Regional Geography** Three hours

An introductory course in geography with major attention to the principles and concepts of the subject and a detailed study of the geographical regions of the world.

330. **Geography of North America** Three hours

A regional economic geography primarily of the United States and Canada from standpoint of man's activities in relationship to his natural surroundings and resources. PR: Geography 210.

340. **Geography of Europe** Three hours

A study of the important geographic concepts concerning man's activities in Europe and their importance to the United States and the rest of the world. A general overview will be made of Soviet European geography. PR: Geography 210.

GEOLOGY

(Division of Science and Mathematics)

201. **Physical Geology** Three hours

This course is given to a description of the composition and structure of the earth and the physical process bringing about changes of the surface of the earth.

302. **Historical Geology** Three hours

The geologic history of the earth and the evolution of animal and plant life as revealed by the rocks.

GERMAN

(Division of Language and Literature)

101. **First Year German** Three hours

The elements of German grammar; simple reading exercises, pronunciation; written assignments. No credit for German 101 without 102.

102. **First Year German** Three hours

A continuation of the above course; special topics in grammar and greater emphasis on reading. PR: 101 or one unit of high school German.

201. **Intermediate German** Three hours

Grammar review; composition; conversation; reading of fiction. The principal aim of the course is the reading of narrative of moderate difficulty. PR: German 102 or equivalent.

202. **Intermediate German** Three hours

This course continues the work of German 201. PR: German 201 or equivalent.

210. **Masterpieces of German Literature** Three hours

A course emphasizing reading and aural comprehension of a wide range of German poetry, fiction, and drama. May be substituted for German 201 or German 202, with permission of the instructor. Laboratory used. PR: 9 hours German, or permission of instructor.

301. **The German Novelle** Three hours

A study of the German Novelle as a literary form of the nineteenth and twentieth centuries, with attention also being given to the German cultural and social environment. Continued work in composition and conversation. PR: 12 hours, or permission of instructor.

302. **German Drama and Lyric Poetry** Three hours

A study of selected German plays and lyric poems, with emphasis on the work of Goethe and Schiller. Continued work in composition and conversation, and aural comprehension. PR: 12 hours, or permission of instructor.

303. **Special Topics** Three hours

A course of individual study under supervision in a topic and skill of special importance to the student, such as the reading of literary or scientific material, aural comprehension, or pronunciation. Laboratory work may be included. PR: 9 hours, or permission of instructor.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

(Division of Health, Physical Education, and Recreation)

100. **Personal Health** Three hours

The importance of physical and mental health, personal health problems, factors that contribute to good health, and becoming aware of the total information and discoveries in the world of health.

101. **First Aid** Two hours

Acquaints the student with the need for safety, how to prevent accidents, and the basic fundamentals of first aid treatment as related to injuries, shock, poisoning, artificial respiration, and dressings and bandages.

102W. **Freshman Orientation** One hour

Physical Education activities for women designed to meet the needs of the student in health, use of leisure time and physical fitness.

103W. **Freshman Orientation** One hour

A continuation of 102W.

111W. **Track and Field** One hour

The student receives instruction in fundamental techniques of track and field events with particular attention to running, throwing and jumping.

112W. **Field Hockey** One hour

Designed to introduce the student to the skills of field hockey, the positioning and playing areas and selection and use of equipment.

113W. **Softball** One hour

Designed to develop understandings and skill in the techniques of softball.

114M. **Freshman Orientation** One hour

Physical Education activities of men designed to meet the needs of the student in health, use of leisure time and physical fitness.

115M. **Freshman Orientation** One hour

A continuation of 114M; includes activities in tumbling, trampoline, field and track events.

116W. **Soccer** One hour

Theory and practice in fundamentals.

117W. **Basketball** One hour

Theory and practice in fundamentals.

118M. **Fundamental Skills and Exercise** Three hours

Introduces the student to a program of activities associated with teaching physical education classes which includes team sports, game situations, officiating and safety precautions related to each situation.

119M. **Gymnastics** Three hours

Designed to teach basic fundamentals of wrestling and track events, tumbling, stunts and apparatus work. It includes instruction in the roll, inverted balance, backspring and other progessions.

128W. **Tumbling** One hour

Introduces the student to basic stunts and tumbling activities.

129W. **Gymnastics** One hour

Introduces the student to apparatus such as the ropes, trampoline, minitramp, vaulting, uneven parallel bars, and balance beam.

130. **Beginning Swimming** One hour

Primarily designed for the non-swimmer, but also offers instruction in elementary, intermediate and advanced swimming skills.

134W. **Volleyball** One hour

Introduces the student to basic skills, rules and history of the game, game situations and team play.

135W. **Fundamental Skills** One hour

Provides the student with the knowledge and skill of the most efficient and graceful way to perform the fundamental exercises of walking, running, standing, sitting, jumping and throwing.

136. **Bowling** One hour

Introduces the skills of bowling and provides practice in game situations.

143W. **Individual Sports** One hour

Fundamentals of badminton, paddle, table and deck tennis and archery.

146. **Social Dance** One hour

Provides opportunity for the student to cultivate dance etiquette, to develop grace and poise; teaches various social dances such as the waltz, fox trot, polka and tango.

148. **Modern Dance** Two hours

An introduction to modern dance, which provides instruction in space, time, quality of movement, dance positions, creative dance techniques, composition, and methods of teaching rhythmic patterns.

202. **Community Health** Three hours

Acquaints students with community health problems. It includes sociological and anthropological aspects of health, community planning and organization to solve health problems, community health education, and basic public health problems with attention to alcholism, water and air pollution, mental health, and space.

203. **Safety** Three hours

Provides information on safety needs of students and community, suggests teaching principles and procedures to meet these needs, and furnishes material that can be utilized in the areas of safety education.

228W. **Lacrosse** One hour

Basic skills, game play, rules strategy and evaluation of lacrosses.

230. **Intermediate Swimming** One hour

The improvement of swimming skills. Students are introduced to arm and leg strokes of the nine forms of swimming.

236. **Tennis** One hour

Major emphasis is placed on fundamentals, advanced skills and teaching techniques.

241M. **Individual and Dual Sports** Two-Three hours

Instruction in badminton, paddle, table and deck tennis and archery, and specialization in other similar physical education activities.

242M. **Team Sports** Two-Three hours

Provides an orientation in physical education. In addition to an introduction to physical education it provides opportunity to learn techniques of basketball, field games, and volleyball.

247. **Folk and Square Dancing** Two hours

A survey of the history and development of folk and square dancing. Development of necessary skills and participation and teaching.

250. **Foundations of Health, Physical Education, and Recreation** Three hours

Designed to give the student a background in the historical, philosophical and scientific foundations of physical education.

282. **Community and Industrial Recreation** Three hours

Organization and supervision of recreation for community and industrial groups.

304. **Human Anatomy and Physiology** Three hours

The basic essentials of anatomy and physiology. Special emphasis is placed on the body as an integrated whole, role and functions of the nervous, muscle and skeletal systems, body metabolism, and reproduction of the human being.

305. **Kinesiology** Three hours

The science of body movements and its application to daily living which includes knowledge of the basic mechanics of human motion. PR: 304.

310. **School Health Problems** Three hours

Presents a comprehensive approach to the school health programs; it includes history of modern day better programs, understanding of the health problems of the school-age child, and instructions in developing appropriate programs.

320M. **Officiating Football and Basketball** Two-Three hours

Rules; techniques of officiating and laboratory work.

321M. **Basketball** Two-Three hours

Fundamentals of playing and coaching basketball

322M. **Football** Two-Three hours

Fundamentals of playing and coaching football.

323M. **Baseball** Two-Three hours

Fundamentals of playing and coaching baseball.

324M. **Wrestling** Two-Three hours

Develops professional competencies for effective teaching, coaching and administration of amateur wrestling.

325M. **Track and Field** Two-Three hours

The development of competency in field and track events, coaching, organizing and teaching classes and meets; prevention and treatment of injuries, and a survey of appropriate literature.

326W. **Coaching and Officiating Volleyball, Hockey, and Soccer** Three hours

Practical experience in sports classes in working with organized groups, teaching skills, planning and conducting games and clinics in volleyball, hockey, and soccer.

327W. **Coaching and Officiating Basketball, Track, Softball, & Lacrosse** Three hours

Practical experience in sports classes in working with organized groups, teaching skills, planning and conducting games and clinics in basketball, track, softball, and lacrosse.

328. **Games and Rhythms for Elementary School** Two hours

Designed to provide the student with knowledge of and skill in participation in various games and rhythms suitable to elementary school children. It includes elements of planning and organization, safety education, and physical education on the elementary level.

329. **Physical Education in the Elementary School** Two hours

Actual teaching experience. Placing emphasis on methods, evaluation of student progress, and teaching atypical children. Elements of safety education are included.

330. **Advanced Swimming** One hour

Advanced swimming techniques.

331. **Lifesaving and Water Safety** Two hours

Swimming and safety skills are taught and designed to qualify the student for the American Red Cross Instructor's certificate.

360. **Evaluating and Assisting** Three hours

The evaluation process in health and physical education which includes the administration of various tests for evaluating pupil achievement. It also provides teaching experience while assisting the college instructor.

362. **Organization & Administration of Health, Physical Education & Recreation** Three hours

The place of physical education and health education in the total education program. It emphasizes administrative policies and activities, budget making, purchase and care of equipment, and surveys the physical education organizations and service program.

384. **Camping and Youth Organization** Three hours

A study of the camping movement, outdoor education and organizations serving youth.

385. **Recreational Leadership** Three hours

Organizing and directing group recreational activities.

386. **Recreation Field Work and Inspection** Three hours

A laboratory course including planned observation trips to recreation centers and playgrounds with training periods in organization and inspection.

407. **Physiology of Exercise** Three hours

Provides knowledge of the physiological background necessary for understanding the response of the body to exercise. Emphasis is placed on aspects of physical fitness and conditioning for the individual throughout life.

408. **Adapted Physical Education** Two hours

A study of modern trends in adapted physical education programs to meet the needs of all children and youth. Includes teaching techniques used in adapted physical education programs and attention to planning programs for the disabled or handicapped.

431. **Methods and Materials in Teaching Physical Education** Two hours

Provides the student with information concerning methods of teaching health education, physical education, recreation and safety. It emphasizes the materials and techniques of instruction appropriate for grades 7-12.

HISTORY

(Division of Social Science)

107. **United States History** Three hours

A survey course in United States history from the Age of Discoveries to the Reconstruction era.

108. **United States History** Three hours

A survey course in United States history from the Reconstruction era to the present time.

111. **History of Civilization** Three hours

A survey of the history of man from the earliest times to the beginning of the modern era.

112. **History of Civilization** Three hours

A survey of the history of man from the beginning of the modern era to the present time.

302. **West Virginia History** Three hours

A study of West Virginia history, government, and geography from the first settlements to the present time. PR: History 107,108.

310 **History of England** Three hours

A survey of English history from 1066 to the present. PR: History 111,112.

312. **Diplomatic History of the United States** Three hours

A study of the foreign relations of the United States and the development of basic American foreign policies from the colonial period to the present. PR: History 107,108.

315. **Colonial America** Three hours

A study of the American colonies from their beginnings to the end of the Revolutionary War. PR: History 107.

316. **The American Federal and National Period** Three hours

A study of United States history from the Revolutionary War to 1850. PR: History 107.

317. **The Civil War and Reconstruction** Three hours

PR: History 107, 108.

318. **United States from 1876 to 1929** Three hours

PR: History 108.

319. **Recent America** Three hours

United States history from 1929 to the present. PR: History 108.

320. **American Economic History** Three hours

A survey of the economic development of the United States from the colonial period to the present. PR: History 107,108.

330. **Europe from 1300 to 1763** Three hours

A study of the development of Europe's national monarchies, the rise of capitalism and mercantilism, religious history from the Reformation to Pietism and Deism, and European intellectual achievement from the Renaissance to the Enlightment. PR: History 111, 112.

331. **Europe from 1763 to 1850** Three hours

A study of the causes of the French Revolution, the Revolution itself, the career of Napoleon, and the conflict or revoluntionary and counter-revolutionary forces in the post-Napoleonic era. PR: History 111, 112.

340. **Europe from 1850 to 1919** Three hours

PR: History 112.

341. **Europe from 1919 to the Present** Three hours

PR: History 112.

350. **Latin America: The Colonial Period** Three hours

A survey of Latin American history from 1492 to 1821. PR: History 111, 112.

351. **Latin America: The National Period** Three hours

A survey of the history of the Latin American nations from 1821 to the present. PR: History 111, 112.

360. **European Intellectual History** Three hours

A study of the main currents of European thought and their important relationships with the historical setting. PR: History 111, 112.

370. **American Intellectual History** Three hours

A study of the main currents of American thought and their impact on the evolution of American history. PR: History 107, 108.

421. **History of Russia** Three hours

Russian national development from its origin to the present. Emphasis upon the nineteenth and twentieth centuries. PR: History 112.

422. **History of the Far East** Three hours

A brief survey of the cultural development of China, Japan and Korea to 1800, and a more detailed analysis of the impact of the West upon these areas from 1800 to the present. PR: History 112.

423. **History of Southeast Asia** Two hours

A survey of Southeast Asia with primary emphasis on India and Pakistan as a culture center. Major topics include: Western colonialism, movements of nationalism, problems of independence, and international relations: PR: History 112.

431. **Methods and Materials in Teaching Social Studies** Two hours

Methods of teaching the social studies in the secondary schools.

460. **Guided Historical Study** One-Three hours

Intensive reading on a selected topic or problem in American history. PR: Consent of instructor.

461. **Guided Historical Study** One-Three hours

Intensive reading on a selected topic or problem in European history. PR: Consent of Instructor.

470. **Seminar** Three hours

Intensive study of a selected topic with emphasis on individual research, report writing, and discussion. PR: Consent of instructor.

HOME ECONOMICS

(Division of Commerce)

101. **Principles of Clothing Construction** Two hours

Basic construction processes used in simple garments for school and street wear. Problems are adapted to previous experience.

102. **Advanced Clothing Construction** Three hours

The use of detailed and tailored finishes and problems of fitting and management in the construction of suits and varied types of clothing.

103. **Principles of Clothing Selection** Two hours

An analysis of the factors which influence the selection of clothing for both the family and the individual.

110. **Elementary Nutrition** Two hours

A study of the principles of nutrition and their application to the needs of nursing students.

201. **Principles of Food Selection and Preparation** Three hours

Application of recent theories of food preparation and preservation as they affect the nutritive value, flavor, and appearance of food. Foods prepared are incorporated into family meals.

202. **Advanced Foods** Three hours

Continuation of Home Economics 201; meal services with emphasis on planning, preparing and serving family meals, that will teach management of time, energy, and money.

210. **Textiles** Three hours

Development of an understanding of the effect of fiber content, construction, and finish on the quality, serviceability, care, and cost of clothing and household fabrics.

303. **Nutrition** Three hours

A study of the essentials of an adequate diet and its function in the body, as a basis for planning student and family diets. PR: 201 or 202. Open to all non-majors by consent of instructor.

305. **Nutrition in the Public Schools** Three hours

Essential nutrition information for the teacher in the public school federal school lunch programs as an integral part of the school program.

310. **Family Life Education** Three hours

Study of family experiences and cultural environment influencing personality development. Interaction of family members through all phases of family living. Evolution of the family from institution to companionship family.

312. **Consumer Education** Three hours

A study of the selection of consumable goods and the factors affecting the selection such as labeling, advertising, credit, insurance, and contracts; source material provides consumer information; the consumer movement and legislation for consumers.

315. **Home Management** Three hours

A study of the process of Management as it affects the family members, their resources and their goals.

316. **Household Equipment** Two hours

A study of the principles of the selection, use and care of household equipment.

320. **Home Planning and Furnishing** Four hours

Designed to help the family analyze its needs and use its resources advantageously in the selection of housing. Development of discrimination in the selection and arrangement of furnishings.

330. **Child Care and Development** Three hours

The training of the child from pre-natal period through the preschool period. Habit training and development of the child—physical, social, emotional, and spiritual training—are included.

351. **Home Arts** Three hours

The use of color, texture, design in selecting, arranging and constructing articles for the home through the techniques of weaving, stitchery, textile printing, etc.

402. **Tailoring** Three hours

The construction of a dress, suit, and accessories with emphasis on selection of fabric, fitting, and tailored details. Designed for evening students. Consult instructor for prerequisites.

431. **Methods and Materials in Teaching Home Economics** Two hours

Required for teachers. The philosophy and goals of home economics, organization of teaching materials for the five areas, selection of furnishings, and management of the department.

INDUSTRIAL EDUCATION

(Division of Industrial-Technical Education)

101. **Electricity I** Two hours

A study of DC circuits, the electron theory, resistance, power, magnegtism, conductors and insulators, theory and use of the multimeter. PR: I. E. 107, Physics 102, or consent.

102. **Electricity II** Two hours

A study of AC circuits including inductance, capacitance, reactance, impedance and phase relationships. PR: I. E. 101.

106. **Mathematics for the Technician I** Three hours

Fundamental operations with signed numbers, factoring, simultaneous equations, graphs, exponents, trigonometric functions, right triangles, radian measure, and logarithms. Problems are chosen to illustrate basic concepts encountered in industrial technology.

107. **Mathematics for the Technician II** Three hours

A continuation of I. E. 106.

110. **Basic Electronics I** Two hours

A study of vacuuum tube technology including various types of vacuum tubes, their theory of operation and application to typical electronic circuits.

111. **Basic Elcetronics II** Two hours

A continuation of I. E. 110.

120. **Drafting I** Two hours

A study of drawing as the universal language of industry. This course is on the college level for beginners. It includes lettering, sketching, orthographic projection, sectional views, and auxiliary views.

122. **Architectural Drafting I** Two hours

A course in the study of architectural nomenclature and terminology, structural members and materials used in construction of residential units. Symbols, conventions, and sectional views are studied and drawn in compliance with the Federal Housing Authority Code.

123. **Machine Design** Two hours

A course in which the characteristics of metals and machine parts are studied. Emphasis is placed on the representation of threads, cams, gears, and formulas relating thereto. A selected piece of machinery will be measured, sketched, and drawn.

130. **Printing Processes I** Two hours

Introductory experiences in the various methods used by the graphic arts industry. These include letterpress and offset printing, dry point and block etching, silk screen print, embossing, marking devices, and bookbinding.

131. **Printing Laboratory I** Two hours

132. **Typography I** Two hours

Principles and experiences in the fundamentals of composition and the application of the point system and printers mathematics. An intensive study of type characters, fonts, series, families, and classifications of foundry type.

133. **Offset Printing I** Two hours

The problems and techniques of offset presswork for duplication, production presses, and letterset. Related problems in inks and paper relationships.

134. **Graphic Layout and Design I** Two hours

The fundamentals of design for printers and the use of art and color in printing. PR: I. E. 132-133.

136. **Printing Composition I** Two hours

Use of the offset composing machines, photography and plate making equipment. PR: Typing proficiency.

137. **Printing Composition II** Two hours

A continuation of I. E. 136.

140. **Engine Theory I** Two hours

A survey course of engine design and characteristics. The operation principles of internal combustion engines and nomenclature, location, and function of stationary and moving parts.

141. **Engine Laboratory I** Two hours

142. **Power Transfer Theory I** Two hours

A study of the transfer of power to its terminal use through transmissions, torque converters, propellers, shafts, universals, differentials, and other driving mechanisms as well as direct transfer by air or other fluids.

143. **Power Transfer Laboratory I** Two hours

144. **Carburetion and Ignition Theory I** Two hours

Methods and principles involved in the flow, metering, atomization, and delivery of fuel. Theory and practice of generation and distribution of electricity through the electrical system.

145. **Carburetion and Ignition Laboratory I** Two hours

146. **Hydraulic and Suspension Systems Theory I** Two hours

Study of the theories and practices of suspension and hydraulic systems used in modern vehicles.

147. **Hydraulic and Suspension Systems Laboratory I** Two hours

160. **Hand Woodworking** Two hours

A beginning course of woodwork in which materials, tools, tool processes, fastenings, and construction are studied. Construction work consists of procedural tasks embodying typical tool operations.

161. **Gas Welding I** Two hours

The care, operation, use, maintenance, and methods of welding and brazing the common metals using the oxy-acetylene welding torch.

163. **Sheet Metal I** Two hours

A beginning course including instruction in laying out surface patterns, making useful articles involving typical stretch out, joints, wiring, soldering, and riveting. PR: I. E. 220.

165. **Cold Metal Processing** Two hours

Laboratory course in the basic use of tools and techniques used in the shaping, forming, drilling, tapping, and joining of the ferrous metals in a cold state. Use and care of the hand tools and layout procedures. Methods of fastening and holding.

166. **Building Construction (Residential) I** Two hours

A study of the practices utilized in construction of small buildings and the problems involved in the erection of the building from the ground up. PR: I. E. 160, 122, 222, or 12 hours of I. E. work.

167. **Machine Shop I** Two hours

A beginning course in the fundamental hand and machine tools.

Study will involve care and operation of the lathe, drill press, power hack saw, all-purpose band saw, and surface grinder. Material and tool specifications will be introduced.

170. **Statics** Three hours

A study of force systems in static equilibrium. Includes concurrent, non-concurrent force systems, trusses, friction, moments of inertia, and centroids of areas. PR: Math 112 or I.E. 107; Physics 101.

180. **Materials and Processes of Industry** Two hours

A detailed analysis of the general nature and extent of basic American industries with an emphasis on materials and processes. Special attention is given to the technical, consumer, occupational, cultural, recreational, and social functions of the respective industries.

181. **General Shop I** Two hours

A multiple materials experience laboratory designed to run concurrently with I. E. 180, wherein students develop a variety of project activities. Students experience a laboratory situation similar to that in which they may find themselves during their teaching careers. Each student is expected to explore, to experiment, and to develop ideas which are essentially expressive of himself.

186. **Recreational Crafts** Two hours

Activities involving a variety of tools, materials, processes, and machines are employed to acquaint the student with the crafts. The student is encouraged to develop ideas which are expressive of himself. In addition, the organization and administration of recreational crafts programs is studied.

190. **Industrial Orientation** No credit

An orientation course for the freshman student providing a general view of engineering technology and the place of the technician on the engineering team.

191. **Personnel Problems and Labor Relations** Two hours

A seminar dealing with the problems of labor and management. Wage and hour laws and industrial regulations.

192. **Personnel Administration** Two hours

A study of personnel management, industrial supervision and labor-union relations. Also included are job evaluation, wage systems, and merit rating.

201. **Electrical Measurements Laboratory I** Two hours

A study of alternating and direct current circuits, electronic tubes and semiconductors; assembly and tracing of electrical and electronic circuits. PR: I. E. 102.

202. **Electrical Measurements Laboratory II** Two hours

A continuation of I. E. 201.

204. **Electrical Machinery DC** Two hours

A study of the principles and operation of direct current machines. Includes generator and motor characteristics, efficiency ratings, and applications of DC equipment. PR: I. E. 101, 102.

205. **Electrical Machinery AC** Two hours

A study in the operation and construction of alternating current machines. Includes polyphase induction motors, single phase motors, synchronous motors, converters, and rectifiers. PR: I. E. 204.

220. **Drafting II** Two hours

A continuation of I. E. 120 including sheet metal intersections and developments. Transition pieces, square to round, and round to round. Introductory machine drawing, working drawings, and assigned projects. PR: I.E. 120 or advanced placement.

221. **Graphic Illustration** Two hours

Industrial illustrating. This course involves a study of machine design, metals, and alloys. Small machine assembles will be drawn by the exploded view method showing all parts in relation to other parts. This type of drawing is used extensively by industry for assembly purposes. PR: I. E. 120, 123.

222. **Architectural Drafting II** Two hours

A continuation of I. E. 122, symbols, conventions, sectional views, and other forms of architectural detailing for one and two living units, in compliance with the Federal Housing Authority Code. PR: I. E. 122.

223. **Jigs and Fixtures** Two hours

Instructions in the design of cutting tools, drill jigs, milling fixtures and press tools. Basic principles covering the proper locating, supporting and clamping of parts in jigs and fixtures. The use of company catalogs in the selection of standard tool design accessories is emphasized. PR: I. E. 123.

232. **Typography II** Two hours

Advanced laboratory experiences in composition and presswork and composing room practices. PR: I. E. 133.

233. **Offset Printing II** Two hours

Principles and experiences involved in lithography as a printing process. Cold type composition, camera work, stripping, plate processing and press work; line shots and half-tones. PR: I. E. 132.

234. **Graphic Layout and Design II** Two hours

Advanced experiences in design and experiences in the use of color in many forms of commercial printing. PR: I. E. 134.

235. **Printing Estimating** Three hours

Printer's mathematics. A thorough understanding of paper stock, inks, and chemicals. Elements of estimating composition, presswork, binding, and other costs in the operation of a printing situation.

240. **Engine Theory II** Two hours

A study of the principles of diagnosing, locating, and correcting troubles encountered in engine operation and problems which occur in their testing and servicing. PR: I. E. 140.

241. **Engine Laboratory II** Two hours

242. **Power Transfer Theory II** Two hours

Advanced principles of mechanical power transfer through automatic transmissions and differential mechanisms. PR: I. E. 142.

243. **Power Transfer Laboratory II** Two hours

245. **Hydraulics** Two hours

A study of the concepts of fluid power transmission, control systems, characteristics of pumps and fluid pressurizing mechanisms. Hydraulic cylinders, rams, and fluid motors are explained fully. A survey of control valves, servos and associated devices is also included.

260. **Machine Woodworking** Two hours

Laboratory and lecture work in the principles and techniques of operating the power tools normally found in the woodworking industry. Emphasis is placed on the development of accuracy and safety in the use of the equipment necessary to each of the manufacturing operations.

261. **Gas Welding II** Two hours

Advanced techniques in the selection and use of heats, special rods, and fluxes used in the welding of piping, and machine components made of materials other than mild steel. PR: I. E. 161.

262. **Arc Welding II** Two hours

Advanced techniques in the selection and use of heats, special rods, and fluxes used in the welding of piping and machine components made of materials other than mild steel. PR: I. E. 162.

263. **Sheet Metal II** Two hours

A continuation of I. E. 163. Advanced work will be offered in layout problems, joints, and other typical sheet metal situations commonly found in duct work. PR: I. E. 163.

265. **Hot Metal Processing** Two hours

Tools and processes involved in the shaping of metals at an elevated temperature, elementary welding, forge and foundry work in the non-ferrous metals, heat treatment, and oxide coloring.

266. **Building Construction (Industrial) II** Two hours

Technical information and advanced problems of roof framing. cornice construction, exterior finish. PR: I. E. 166.

267. **Machine Shop II** Two hours

This class leads the advanced student into the problems and methods of solving these problems in milling machine operations. Gearing problems, equations, gear cutting methods, and the necessary related technical information forms the basis of this course. PR: I. E. 167.

270. **Strength of Materials** Three hours

A study of the behavior of materials under various types of loads. Includes stress-strain relationships, torsion, bending stress, riveted and welded joints. PR: I. E. 170.

271. **Strength of Materials Laboratory** One hour

Tension, compression, shear, impact, and hardness testing of materials. PR: I. E. 270.

274. **Graphic Solutions I** Two hours

A study of the spatial relationships required for analysis of three dimensional problems including the techniques of descriptive geometry. Also included is an introduction to graphical arithmetic and algebra. PR: I. E. 170, 220.

281. **General Shop II** Two hours

Designed to run concurrently with I. E. 380 to provide an opportunity for the student to build upon his experiences in I. E. 181 and to improve upon his understanding of the laboratory teaching situation. Laboratory experiences are in keeping with the basic industries and their function in the junior-senior high school. PR: I. E. 181.

284. **Plastics I** Two hours

A study of the technical aspects of manufacturing processes related to thermoplastic materials. Specific attention is given to types, characteristics, design principles, molding, fabricating, and finishing techniques.

285. **Industrial Design** Two hours

Form and function; natural phenomenon; simple industrial design solutions in human engineering, material, structure, and methods of manufacture. Model and mechanical drawings of products developed. PR: I. E. 120, 220.

286. **Crafts** Two hours

The student is encouraged to explore, experiment, and create with a variety of materials and processes through the constructive manipulation of hand, tool, and machine. The various craft disciplines are analyzed in terms of our present culture and the material crafts of our heritage.

289. **Ceramics** Two hours

A laboratory experience including the technical aspects of clay products to include design principles, forming, decorating, and glazing techniques. The student will be encouraged to explore and develop ideas which are expressive of himself.

315. **Industrial Electronics and Controls** Two hours

Analysis of direct and alternating current motor starting equipment across the line and step starters, safety devices and remote control circuits. Basic vacuum tubes, power supplies, voltage amplifiers, phase shift circuits, and electronic motor control circuits. PR: I. E. 101, 102.

316. **Advanced Electronics I** Two hours

A study of rectification with filtering, small signal vacuum tubes and transistor amplifiers. Measuring techniques, use of vacuum, transistor analyzers and curve tracers. PR: I. E. 110.

317. **Advanced Electronics II** Two hours

A continuation of I. E. 316 with further study of small signal amplifiers and various other vacuum and solid state devices. PR: I. E. 316.

320. **Drafting Room Techniques I** Two hours

Analysis of patent drafting, technical and legal consultation, preliminary sketch and drawings, indentures, expressions, and final drafts. PR: Six semester hours in drafting.

321. **Structural Drafting** Two hours

The design and checking of suitable steel sections to be used as beams, girders, lintels, columns and struts, the design of simple frames, and the use of bar joists, and open web long span joists, the design of timber beams, girders, columns, and wood floors. Different types of fasteners are discussed and vector diagrams are employed to solve for the loads of the various members of a frame. In addition to static loads, wind and impact loads are dealt with. PR: I. E. 120, 122, 222.

322. **Architectural Design** Two hours

A continuation of I. E. 222 in which design of houses, building materials, and specifications are studies in compliance with the Federal Housing Authority Code. Each student will develop and print a complete set of plans, specification sheets, and cost estimate for his own house. PR: I. E. 222.

323. **Electrical Drafting I** Two hours

An introduction of the various kinds of drawings and drafting techniques used in the design and construction of electrical equipment. Use of basic electrical principles, and typical applications will be utilized in drafting problems. PR: I. E. 120, 220, 101, 102.

333. **Printing Techniques I** Two hours

Advanced laboratory experiences in typography. PR: I. E. 133, 233.

334. **Photo Composition I** Two hours

Correct use, operation, and care of VariTyper, Headliner, and other composing machines. PR: I. E. 234.

335. **Printing Plant Management** Three hours

A study of the organization, supervision, and operation of a printing plant with practical problems in inventory, production, costs and quality controls. PR: I. E. 235.

345. **Pneumatics** Two hours

Principles and practices in the use of compressed air as a form of power. Valves and controls, power pistons, pressure relief devices, and other items necessary for the effective operation and control of pneumatic equipment.

360. **Metallurgy** Two hours

An introduction to the basic elements of metallurgy including structure of metals, properties of metals, smelting, refining, heat treating, and testing. PR: I. E. 165, 265.

366. **Construction Theory & Lab I** Two hours

Introductory course in construction materials and methods. Physical and mechanical properties of wood. Grades of wood construction. Types of construction and foundations. Cement, gypsum, and masonry materials methods.

370. **Manufacturing Processes I** Two hours

Experience on lathes, milling machines, shapers, planers, drill presses, surface and bench grinders, bench work, use and care of micrometers and measuring tools. Application of threading, turning, facing, taper turning on lathes. Use of the plain dividing head and other milling attachments. Drill grinding. Machine shop safety regulations. Forming flat surfaces on shapers and planers. Power sawing applications. PR: I. E. 267.

371. **Thermodynamics** Three hours

A basic study of thermodynamic properties of substances, work and heat relationships, the conservation of energy and various gas cycles. Extensive applications of these principles to practical problems involving heat exchangers, nozzles, and steam turbines. PR: Math 112 or I. E. 107; Physics 101.

372. **Surveying** Two hours

Instruction in the use of the engineer's tape, transit, and level and the methods of recording field data in note form. Field problems associated with the theory will cover horizontal and vertical measurements, differential, profile and other leveling operations, and angular and bearing measurements with the transit. Also included is traverse layout and computing. PR: I.E. 107 or Math 112.

373. **Computing and Estimating** Two hours

Problems of approximate and exact methods of arriving at lump sum and unit prices, and estimating total costs for materials and services; accepted methods of itemizing preliminary and final estimates.

374. **Graphic Solutions II** Two hours

A nomography, empirical equations, graphical calculus and the corresponding numerical techniques used in the solutions to applied problems. PR: I.E. 107 or Math 112 and I.E. 120.

375. **Plumbing and Sanitation** Two hours

Study of commercial and residential sanitary systems, sizing and layout of plumbing and sanitary systems, terminology and the interpretation and application of the governing codes.

376. **Heating and Air Conditioning** Two hours

Laboratory problems dealing with installation, maintenance and operation of forced warm air heating systems, hot water systems, steam and steam conversion systems, and radiant panel heating systems. System performance testing, air distribution system analysis, equipment operation and ratings. Application of automatic controls and instrumentation of heating systems. Laboratory experiments on design principles of piping systems, duct and duct fittings. PR: I.E. 163, 263.

377. **Time and Motion Study** Two hours

Fundamentals of work simplification and motion economy using the techniques of motion and time study for the development of effective methods of production.

378. **Plant Layout and Materials Handling** Two hours

A study of the economical arrangement of stocks, machines, and layout of aisles for efficient handling of materials and production.

379. **Industrial Economy** Three hours

Techniques of engineering economy as related to cost, design, and selection of materials. PR: Math 112 or I.E. 107.

380. **Philosophy of Industrial Arts** Two hours

Designed to give the student a historical background of the industrial arts movement as a basis for developing a philosophy as to the place and function of industrial arts in general education. PR: 12 hours of Industrial Arts courses.

381. **Organization and Administration of Industrial Arts** Two hours

Designed to aid the student as a future teacher of industrial arts. Problems of administration, shop arrangement, care of machinery, ordering of materials and supplies, and techniques of shop instruction will be studied. PR: 6 hours of Industrial Arts courses.

382. **Furniture Construction and Design** Two hours

A lecture-laboratory course in the developmental function of design, especially as it applies to the area of household furniture. Student problems include the designing of furniture and other household articles which are to be used as projects in the industrial arts laboratories. PR: I.E. 160, 260.

384. **Plastics II** Two hours

Through research and development oriented activities the student will experiment with and design products utilizing both thermo-setting and thermoplastic materials. Fabrications, molding, casting, bonding, and heat forming techniques will be studied. PR: I.E. 284.

385. **School Shop Maintenance I** Two hours

Care, repair, and general maintenance of tools and equipment used in teaching industrial laboratory classes, and the construction of storage facilities, teaching devices, and visual aids.

386. **Industrial Arts for the Elementary Teacher** Two hours

The laboratory experiences are derived from the technology of the home, community, and world analogous to the lower, intermediate, and upper elementary grades. A variety of materials, tools, and processes are utilized as each student develops his own ideas. Emphasis is also placed upon the organization and administration of such a program.

391. **Wood Finishing** Two hours

A survey course in the materials and methods commonly used in the finishing of furniture and similar articles, and readily applicable to use in high school shop situations. The various types of dyes, stains, shellacs, varnishes, lacquers, and sealers will be used on sample panels. PR: I.E. 160.

392. **Blueprint Reading** Two-Three hours

A course in the reading of the prints and drawings most commonly found in industrial operations. Emphasis is placed on the development of speed and accuracy in the use of working drawings.

415. **Electrical Maintenance** Two hours

Materials, tools, and techniques involved in the maintenance of the electrical and electronic equipment. Switches, breakers, dimmers, timing devices, single and polyphase motors. PR: I.E. 101, 315.

416. **Advanced Electrical Theory I** Two hours

A study of special circuits and applications. High frequency circuits, electromagnetic fields and methods of solution of selected problems.

417. **Advanced Electrical Theory II** Two hours

A continuation of I.E. 416.

420. **Drafting Room Techniques II** Two hours

Advanced technical work for specialists in the drafting field. Recent developments, advanced technical and experimental work and technical reports in drafting. PR: I.E. 320.

421. **Drafting, Planning, and Scheduling** Two hours

The administration practice methods necessary to the effective use of the designing and drafting staffs in the architect's office. Legal requirements, customer relations, costs analysis. PR: 8 semester hours of architectural or mechanical drafting.

422. **Architectural Drafting III** Two hours

Preparation of plans for a commercial or public building. Sketching and instrument drawings, rendering, and reference to building codes. PR: 122, 222.

423. **Electrical Drafting II** Two hours

Industrial and communication electronics symbols; elementary wiring diagrams for 8-C amplifier chassis; composite elementary diagram to wiring diagram of sequence controller; sketch of elementary to wiring diagram of a semi-automatic welding controller. PR: I.E. 323.

431. **Methods and Materials of Teaching Industrial Arts** Two hours

A course in which the particular problems and techniques of teaching Industrial Arts are dealt with. Emphasis is given to the special methods of handling demonstrations, use of special teaching aids and other related problems peculiar to the Industrial Arts Shop. PR: I.E. 380, 381, and senior standing.

433. **Printing Techniques II** Two hours

Advanced laboratory experiences in offset printing techniques. PR: I.E. 132, 232.

434. **Photo Composition II** Two hours

Reproduction of line material and the use and care of the process camera. The reduction and enlargement of copy. Determining basic exposure and developing, stripping negatives and platemaking. PR: I.E. 334.

435. **Printing Mechanics and Press Design** Four hours

Principles of operation of the printing machinery and the adjustment, repair, and proper care of the equipment. PR: 12 hours in the printing option.

445. **Fluid Mechanics** Three hours

A study of basic concepts of fluid flow, including the Bernoulli Equation, orifices and nozzles. Pipe friction, heat losses and pumping systems are covered in detail. PR: I.E. 371.

466. **Construction Theory and Lab II** Two hours

Modern steel, wood, and masonry construction design methods and practices. Problems in beams, girders, and columns. Concrete analysis. A.S.T.M. testing. Fundamentals of utilities control.

470. **Manufacturing Processes II** Two hours

Set up and operation of machines and turret lathes. Practice in spiral and differential indexing. Cam milling. Tool and cutter grinders. Surface grinding, machine tool setup, precision level and test bars. Construction of cemented carbide single point tools. PR: I.E. 370.

473. **Contracts and Specifications** Two hours

A study of some of the regular and business aspects of the law pertinent to the engineering profession with special emphasis on various types of contracts used in the construction industry. Instruction also is afforded in the field of bidding procedures and in the availability of surety bonds and insurance. Specifications are analyzed from the standpoint of design and construction features.

474. **Codes and Practices** Two hours

A study of the general building codes recommended by the National Board of Fire Underwriters and a detailed study of the building codes of local communities. An analysis of building types and the economical use of materials selected for construction.

475. **Dynamics** Three hours

A study of the effect of forces on bodies in motion. Analysis of motion by mass acceleration methods. PR: I. E. 270.

477. **Industrial Management** Two hours

A survey of the operational, financial, marketing and accounting activities of industrial organization. A detailed survey of the duties of management as related to production, personnel, and human factors.

478. **Production Controls** Two hours

Current practices in production, planning, routing, scheduling and dispatching, study of production standards, labor efficiency and costs, quantity and quality control.

479. **Power Plants** Three hours

A study and analysis of stationary power plants and prime movers, steam generators, steam and gas turbines, and auxiliary equipment. PR: I. E. 371.

481. **General Shop III** Two hours

Designed to run concurrently with I. E. 381 to permit students to experience activities demonstrative of various methods of laboratory teaching. Considerable attention is given to an analysis of the organization and administration of general shop. PR: I. E. 281.

482. **Cabinet Making I** Two hours

A continuation of I. E. 382. The projects will be made in conformity with the drawings and specifications developed in the previous course. Advanced work in the use of machine tools, techniques, and processes will be stressed. A high level of craftsmanship will be maintained. PR: I. E. 160, 382.

485. **School Shop Maintenance II** Two hours

A continuation of I. E. 385 with emphasis on industrial application.

491. **Woodworking III** Two hours

A continuation of I. E. 260 with emphasis on the use of advanced techniques in the design and construction of home furniture. Particular attention is given to the use of veneers, inlays, overlays, and other advanced methods of enhancing the finished appearance of projects. PR: I. E. 482.

492. **Work Study Seminar** Four hours

Concepts of the construction and analysis of graphs, charts, and tables. Practical use of handbooks and industrial literature. Discussion of codes of ethics, employment opportunities, letters of application, interviews, and employment references. Engineering and progress reports on work experience.

493. **Work Experience Laboratory** Eight hours

On-the-job work experience in a cooperating industry. CR: I. E. 492.

JOURNALISM

(Division of Language and Literature)

240. **Reporting I** Three hours

Fundamentals of reporting; gathering, evaluating, and writing news; emphasis on general reporting and writing for specialized fields. Valuable as a vocational try-out and for making the student a better newspaper consumer. Teachers who will be sponsoring student publications should have this basic course or equivalent. Open to second semester freshmen and above.

260. **News Photography** Two hours

Required in journalism area or news-editorial and public relations. One lecture hour and one demonstration hour and two hour lab. Students learn to use basic camera and equipment, and learn to develop prints and enlarge. No laboratory fee charged to the course but each student will be required to purchase a photography kit containing film and photographic equipment. Chemicals will be provided by the department.

270. **Communications in Society** (Mass Communication) Two hours

A course which reflects the current and important interests in public opinion and propaganda; the influence of old and new forms of communication on the social order; why and how people react to advertising, news, publicity, propaganda, and public relations efforts.

271. **The Newspaper and Society** Three hours

A study of the development of the newspaper's growth from an organ of a political party to the social instrument of today; present practices and principles of the press; the evolving code of ethics and influence of the newspaper; its competition with radio, television and facsimile.

280. **History of American Journalism** Three hours

Required area for journalism students. This is a study of the American press and its influence upon the nation; the development of todays communication media from the 17th century; and examination of the outstanding names in journalism; freedom of the press and its present day implications.

312. **Publication Problems** (High School Publication) Three hours

A practical course for teachers who may supervise a school newspaper, yearbook, or handbook; for those who may work on a company newspaper or house organ or in an advertising department; helpful to anyone charged with producing a publication. Problems of staff organization, training, finance, format, type headlines, etc. will be covered.

320. **Principles of Advertising** Three hours

A survey course of the social, psychological, and some technical aspects of advertising. For business and journalism students.

330. **Advanced Reporting** (Reporting II) Three hours

A grade of "C" or higher in Journalism 240. Advanced study of editing techniques with Columns and the daily newspaper editing rooms as laboratories. Actual writing and editing direct publications. May be used as elective in journalism.

340. **Journalism Practice** Two hours

An arranged course providing practical experience on the college newspaper, yearbook, local daily newspaper, radio station, plus guided reading in the student's field of major interest; for example, writing for radio, newscasting, magazine article writing, newspaper business management, circulation promotion, public relations, advertising. PR: Journalism 240 or consent of instructor.

341. **Journalism Practice** Two hours

Continuation of Journalism 340.

343. **Copy Editing and Make-Up** Three hours

Required of Journalism students. Combination of lecture and laboratory demonstrations. The editing of news copy, headline writing, study of type faces and page make-up for all types of newspapers and magazines.

LIBRARY SCIENCE

(Division of Language and Literature)

200. **Reference and Bibliography** Three hours

A study of basic reference books, especially those useful in school libraries. Problems in evaluating and using reference books and bibliography making.

210. **Library Materials** Three hours

Selection of books and other materials for elementary and secondary school libraries.

302. **Cataloging and Classification** Three hours

An introduction to principles of cataloging and classifying many types of books used in school libraries. PR: 200.

304. **Organization and Administration** Three hours

A study of organization and administration of the school library and its place in carrying out the objectives of the school program.

400. **Library Practice** Three hours

Individual work based on students previous experience and related to student teaching when possible. PR: 200, 210, 302, 304.

MATHEMATICS

(Division of Science and Mathematics)

110. **Basic Mathematics** Three hours

An introduction to mathematical concepts underlying the traditional computational techniques. This course cannot be used as mathematics credit toward certification for teaching mathematics.

111. **Intermediate Algebra** Three hours

A course for students deficient in high school algebra. This course cannot be used as mathematics credit toward certification for teaching mathematics. PR: One unit of high school algebra.

112. **Intermediate Mathematics I** Three hours

An introductory course of integrated algebra, trigonometry, and related topics, for students who have not had an equivalent course in high school. PR: Math 109 and 111, or equivalent. This course cannot be used as mathematics credit toward certification for teaching mathematics.

115. **Intermediate Mathematics II** Four hours

An integrated course of the material traditionally offered in College Algebra and Trigonometry, and related topics. For students who have not completed an equivalent course in high school. PR: Math 112 or equivalent.

116. **Calculus I** Four hours

Integrated analytic geometry and calculus. PR: Math 115 or equivalent.

200. **Mathematical Logic** Three hours

Sentential and general theory of inference, theory of proof and definition, elementary intuitive set theory. PR: Math 115 and consent.

201. **Mathematical Logic** Three hours

A continuation of Math 200. PR: Math 200.

210. **Mathematics for Elementary Teachers** Three hours

This course is designed to meet the mathematics requirement for the certification of elementary school teachers. The course is devoted to the structure of the real number system and its sub-systems, as related to the teaching of mathematics in the elementary school. PR: 110 or 112 or higher.

215. **Calculus II** Four hours

A continuation of Math 116. PR: 116.

216. **Calculus III** Four hours

A continuation of Math 215. PR: 215.

335. **Probability and Statistics** Three hours
PR: Math 215 or consent.

336. **Probability and Statistics** Three hours
PR: Math 335.

342. **Numerical Analysis** Three hours
PR: Math 216 or consent.

361. **Abstract Algebra** Three hours
PR: Math 216 or consent.

362. **Linear Algebra** Three hours
PR: Math 216 or consent.

372. **Modern Geometry** Three hours
PR: Math 216 or consent.

373. **Projective Geometry** Three hours
PR: Consent

391. **Introduction to Analysis** Three hours
PR: Math 216.

393. **Introduction to Foundations of Mathematics** Three hours
PR: 216 and consent.

400. **Seminar** One-Three hours
PR: Consent.

401. **Differential Equations** Three hours
PR: Math 216.

411. **Advanced Calculus** Three hours
PR: Math 216 and consent.

413. **Introduction to Complex Variables** Three hours
PR: Math 215.

431. **Methods and Materials in Teaching Mathematics** Two hours

MUSIC

(Division of Fine Arts)

103. **Organ I-VIII** One hour

One thirty minute lesson per week. The program of study will be fitted to the individual needs of the student. One hour of private practice per day is required. Acceptance of the student will be the prerogative of the instructor.

105. **Class Piano I-II** One hour

This course is designed for all students interested in beginning piano. This will be conducted as a class with each member being offered opportunity for participation.

107. **Piano I-VIII** One hour

One thirty minute lesson per week, See description under Music 103.

109E. **Beginning Theory** Two hours

This course is designed for beginning music students who need additional background in Theory. Credit for this class is also used as the theory requirement for elementary teachers with music as a minor specialization. This class may be omitted from a student's program on examination.

109. **Theory** Four hours

This course is designed to acquaint music majors and minors with the techniques of the 18th and 19th century styles of composition. The following elements are included: chord structure and progressions (harmony); application of these principles to the piano (keyboard); correlating the eye and ear (diction and sight singing); understanding of phrase structure (form and analysis). PR: 109E.

110 **Theory** Four hours

A continuation of 109. PR: 109.

139. **Class Voice** One hour

Course consists of a study of the fundamentals of voice production: breathing, reasonance, articulation and style.

141. **Voice I-VIII** One hour

Open to students who have sufficient musical background and vocal quality to merit individual instruction. The principles of proper vocal production are stressed with later emphasis upon solo repertoire in English, Italian, German and French.

167. **"Collegiates" I-VIII** One hour

A select touring choir. PR: Audition.

169. **Band I-VIII** One hour

Open to all students who can play an instrument needed to keep a balanced organization. The program of procedure is designed to present study of band literature and administration through participation. PR: Audition.

170. **Laboratory, Band and Orchestra** No Credit

Required of students taking music 211, 213, 215, 217. Open to all students upon instructor's acceptance. This course provides review experiences in playing instruments at the beginning and intermediate levels.

173. **College Chorus I-VIII** One hour

Open to all students who can sing a part. This course is designed to present a study of choral literature, and administration through participation. PR: tryout.

Individual Instruction in Band and Orchestral Instruments

The following courses numbered 177 through 203 are open to students with sufficient musical background to benefit from individual instruction in the techniques of playing band and orchestral instruments. One thirty-minute lesson per week. Acceptance of the student will be the prerogative of the instructor. One hour of private practice per day required.

177. **Percussion I-VIII** One hour

179. **Saxophone I-VIII** One hour

181. **Flute I-VIII** One hour

183. **Clarinet I-VIII** One hour

185. **Oboe I-VIII** One hour

187. **Bassoon I-VIII** One hour

189. **Trumpet or Cornet I-VIII** One hour

191. **Baritone Horn I-VIII** One hour

193. **French Horn I-VIII** One hour

195. **Trombone I-VIII** One hour

197. **Tuba I-VIII** One hour

200. **Violin I-VIII** One hour

201. **Viola I-VIII** One hour

202. **Cello I-VIII** One hour

203. **Bass Viol I-VIII** One hour

205. **Music Appreciation** Two hours

A general music course in appreciation required of all students. Music of composers of the classical, romantic, and modern periods are discussed, and compositions of these composers are heard through the medium of recordings.

209. **Theory** Four hours

Continuation of Music 110. Emphasis is placed on modulation and the choral style of composition. PR: Music 110.

210. **Theory** Four hours

Continuation of Music 209 with the introduction of the contrapuntal style. PR: 209.

211. **String Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of string instruments is attained through class instruction.

213. **Brass Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of brass instruments is attained through class instruction.

215. **Woodwind Class I, II** One hour

This course is open to all students with sufficient background in music. A working knowledge of the instruments of the woodwind choir is attained through class instruction.

217. **Percussion Class I, II** One hour

Open to all students with sufficient background in music. A working knowledge of percussion instruments is attained through class instruction.

230. **Kindergarten-Primary Music** Two hours

A course designed to develop understanding of musical skills and activities as related to the teaching of music with particular attention to needs of children from 4 to 7 years old.

231. **Elementary Music I** Three hours

This course gives the student a background in theory, terminology of music, scale building, rhythm, use of syllables, numbers and letters in music reading, chord construction, and use of the keyboard and autoharp. Two lecture hours and one laboratory hour per week. Required of all elementary teachers.

232. **Elementary Music II** Three hours

This course includes materials, methods and procedures for carrying out the music program in the elementary grades one through six. PR: Music 231.

234. **Advanced Vocal Ensemble I-VIII (Male Quartette)** One hour

Open to advanced vocal students. PR: audition.

247. **Stage Band I-VIII** One hour

Open to advanced instrumental students. PR: audition.

245. **Fundamentals of Conducting** Two hours

A course designed to teach and develop the basic skills of conducting. PR: 109.

249. **Advanced Instrumental Woodwind Ensemble I-VIII** One hour

Open to advanced woodwind students. PR: audition.

275. **Advanced Brass Instrumental Ensemble I-VIII** One hour

Open to advanced instrumental students. Designed to give students an opportunity to participate in small ensembles. Groups meet on a regular weekly rehearsal schedule under faculty direction. PR: audition.

277. **Advanced Vocal Ensemble I-VIII (Madrigal Singers)** One hour

Open to advanced vocal students. Designed to give students experience in small ensemble participation. Groups meet on a regular rehearsal schedule under faculty direction. PR: audition.

309. **Orchestration** Two hours

Basic instrumentation and arranging for band and orchestra. PR: 210.

310. **Counterpoint** Two hours

A study of the style and technique involved in the writing of 16th century polyphonic music. PR: 210.

311. **Form and Analysis** Two hours

A study of form and the analysis of music as found in the literature from the 17th to the 20th century. PR: 209.

312. **Composition** Two hours

This course is designed to teach, through the study of various types of music, a basic and accepted approach to creative composition. PR: 209.

313. **History** Three hours

This course traces music from the early Greek through the Baroque periods, with emphasis on recognition of styles and composers. PR: 209.

314. **History** Three hours

A continuation of Music 313 covering the Classical and Romantic periods. PR: Music 313.

320. **Techniques of Keyboard Accompanying** One hour

A course designed to acquaint advanced students of piano and organ with the techniques involved in playing accompaniments for performing groups and soloists. Regularly scheduled laboratory experiences in playing accompaniments for vocal and instrumental soloists and ensembles will be provided. This course may be substituted for applied piano. PR: Permission of instructor.

429. **Instrumental Methods and Conducting** Three hours

This course includes advanced and practical application of instrumental conducting techniques, methods, administration and materials used in teaching instrumental music in the secondary schools. PR: 209 and 245.

430. **Choral Methods and Conducting** Three hours

This course includes advanced and practical application of choral conducting techniques, methods, administration, and materials used in teaching choral music in the secondary schools. PR: 209 and 245.

431. **Methods and Materials in Teaching Music** Two hours

This course deals with techniques, methods, and materials used in teaching and administering elementary and secondary general music classes.

440. **Senior Recital (See General Music Requirements)** One hour

All music majors are required to present a senior recital or its equivalent before the faculty jury or public.

NURSING

(Department of Nursing Education)

100. **Medical Science in Nursing** Two hours

Emphasis on anatomy and physiology related to clinical practice.

101. **Fundamentals of Nursing** Five hours

The study of nursing care common to all patients and the scientific principles underlying that care. Topics include: factors affecting health; nurses' role in relation to patients care; the use of problem-solving methods in planning care; development of basic interpersonnel and technical skills. (4 hrs. lec., 4 hrs. lab.)

102. **Maternal and Child Health Nursing** Eight hours

Family-centered approach to the care of the mother and child. Emphasis is on the normal maternity cycle, growth and development and the community agencies available for care to infants and children. Deviations from health is limited to conditions found only in the general area of maternity and in the pre-adolescent age group.

201. **Medical-Surgical Nursing I** Eight hours

Study of the major health problems that affect all age groups. Emphasis is on the commonality of problems as they relate to nursing.

202. **Medical-Surgical Nursing II** Eight hours

Continuation of Medical-Surgical I.

203. **Psychiatric Nursing** Six hours

Concerned primarily with the area of functional disorders with major emphasis on interpersonal relationships, group relationships, the impact of hospital cultural patterns on patient therapy, newer methods of treatment and the community aspects of the mental health problems. (Off campus summer session)

204. **Trends in Nursing** Two hours

Concerned with the development of nursing as a profession and the rights and responsibilities of practioners within the profession.

PHILOSOPHY

(Division of Social Science)

200. **Introduction to Philosophy** Three hours

A survey of the principal problems arising out of man's attempts to organize his experience and direct his existence.

300. **Logic** Three hours

An analysis and exposition of the requirements for justifiable deductive and inductive reasoning. The principles or rational argumentation and inference in scientific methods are emphasized.

325. **Ethics** Three hours

An historical study of the basis of judging human actions right and wrong, good and bad. The main classical positions are evaluated and the impact of contemporary knowledge upon the central problems of ethics will be discussed.

350. **Comparative Religion** Three hours

Description and analysis of the philosophical systems underlying the major non-Christian religions. Attention will be focused upon the historical and psychological development of religious beliefs.

PHYSICAL SCIENCE

(Division of Science and Mathematics)

The two courses in General Physical Science are organized to provide students a survey of the field of the physical sciences. These courses should not be scheduled by students who plan to include physics and/or chemistry in their programs.

201. **General Physical Science** Three hours

A survey of the subjects of mechanics, heat, sound, light and electricity. No credit is allowed if credit in physics or chemistry is earned.

202. **General Physical Science** Three hours

A survey of the elements of chemistry, geology, and astronomy. No credit is allowed if credit in physics or chemistry is earned.

412. **Science in the Elementary School** Two hours

This course is designed as "a study of modern practices and techniques in the teaching of science. Students are to be guided in developing instructional units in such areas as the earth and its atmosphere, conservation, living things (plants and animals), energy changes (machines, light, sound, electricity, and magnetism) and outer space." PR: Biol. 101, 102 and 6-8 hours in the physical sciences.

431. **Methods and Materials in Teaching Science** Two hours

PHYSICS

(Division of Science and Mathematics)

101. **Introduction to Physics** Four hours

A course designed for predental, premedical, and teaching curricula. A two-hour laboratory period each week supplements the three lecture-recitation periods. Elementary principles of mechanics, sound, and heat are studied in this course.

102. **Introduction to Physics** Four hours

A continuation of 101; includes a study of magnetism, electricity, light and atomic structure.

201. **Demonstrations in Physics** Two-Three hours

Effective use of everyday materials to illustrate physical phenomena, experience with a variety of lecture equipment, and practice in planning and executing demonstrations describe the nature of this course. It is designed to serve teachers in both the elementary and secondary schools. PR: Consent of the instructor is sufficient, but a course in one of the physical sciences is highly recommended.

202. **Astronomy** Three hours

A study of motion and physical features of planets, comets, and satellites; the solar system; the earth and its satellites; stars and stellar atmoshpere; and space travel.

261. **Modern Physics for Teachers** Three hours

A review of current developments in modern physics. The emphasis is on content and import, rather than a rigorous mathematical approach.

262. **Modern Physics for Teachers** Three hours

A continuation of Physics 261.

310. **Electricity and Electronics** Four hours

This course includes static electricity, direct and alternating current theory and means of transforming electrical power. The theory of the vacuum tube and electronics is introduced. Four hours laboratory and two hours lecture each week is required.

320. **Mechanics (Alternates annually with 420)** Three hours

A course in mechanics applied to the study of particles and objects in space with the general principles of astronomy and the information of rotating system in the universe. General theories of the universe and experimental facts will be presented in an elementary manner. PR: Math 215.

321. **Mechanics (Alternates annually with 421)** Three hours

A continuation of 320.

340. **Special Problems** Two-Three hours

Individual studies by advanced students of problems of special interest in the field of physics. PR: Physics 101, 102, Math 215.

420. **Introduction to Atomic Physics (Alternates annually with 320)** Three hours

This course deals with the study of charged particles, ionization, and conduction of electricity through gases, electromagnetic radiation, and the theory of atomic structure.

421. **Introduction to Atomic Physics (Alternates annually with 321)**
A continuation of 420. Three hours

POLITICAL SCIENCE

(Division of Social Science)

103. **American National Government** Three hours

A survey of American government devoted to the consideration of the origins, constitutional basis, and functions of the Federal System.

200. **Principles of International Relations** Three hours

A study designed to acquaint the student with the theory and practice of international relations. PR: Political Science 103.

203. **Comparative Government** Three hours

A survey designed to give a broad general acquaintance with the political institutions and government practices of certain nations. PR: Political Science 103.

205. **State and Local Government** Three hours

A study of the structure and function of American state and local governments. PR: Political Science 103.

303. **Political Parties** Three hours

A study of the origins, growth, and development of the American political party. PR: Political Science 103.

304. **American Constitutional Government** Three hours

A study of the constitutional development of the American Federal System.

305. **American Political Theory** Three hours

A study of the political literature which has given expression to the ideas of individual liberty enjoyed by American citizens. PR: Political Science 103.

406. **International Problems** Three hours

The foreign policies of the nations and the machinery established and functioning for the peaceful adjustments of international differences. PR: Political Science 103 and consent of instructor.

410. **Problems in American Government** Three hours

A study of current problems affecting the structure and function of American national government. PR: Political Science 103 and consent of instructor.

PSYCHOLOGY

(Division of Social Science)

103. **General Psychology** Three hours

An elementary introduction to the viewpoint, methods and principles of the science behavior. Three hours lecture weekly.

250. **Experimental Psychology** Three hours

An introduction of procedures of experimental research, including principal topics of investigation, their representative experimental designs and laboratory techniques. Two hours lecture, two hours laboratory weekly. PR: Psychology 103.

275. **History of Psychology** Three hours

Traces the development of the science of psychology from its origins in philosophy, physiology, and medicine to the modern era. PR: Psychology 103.

300. **Psychology of Personal Adjustment** Three hours

A basic course in the analysis of human behavior. Special emphasis is given to the mechanisms of adjustment and the development of a systematic adjustment theory. Three hours lecture weekly. PR: Psychology 103.

325. **Abnormal Psychology** Three hours

PR: Psychology 103.

350. **Statistics** Three hours

Elementary statistical description and analysis as employed particularly in the behavioral sciences. Three hours lecture weekly.

360. **Psychology of Learning** Three hours

Survey of experimental data in the area of learning. Special emphasis given to contemporary learning theories. PR: Psychology 103.

375. **Physiological Psychology** Three hours

Discussion of research on physiological mechanisms in behavior. Principal concern will be with central nervous functions. Three hours lecture weekly. PR: Psychology 103.

400. **Psychometrics** Three hours

General theory of measurement as involved in various areas of psychology such as psychological tests, attitude scales, psychophysics, and quantified behavior theory. Three hours lecture weekly. PR: Psychology 350.

410. **Psychology of Personality** Three hours

Critical consideration of the major theories of personality, including Freudian, neo-Freudian, learning theory, trait theory. The basis of personality theory development will also be emphasized. PR: Psychology 102 and 300 or Consent.

425. **Clinical Psychology** Three hours

Consideration of theory and evidence dealing with various topics of clinical application such as personality theory, theory of behavior disorders, techniques of diagnosis and therapy. Three hours lecture. PR: Psychology 400 or consent.

460. **Seminar** Three hours

Discussion of specific research topics as reported in contemporary literature. Each student will complete an individual research project. PR: consent of instructor.

SECRETARIAL STUDIES

(Division of Commerce)

101. **Beginning Typewriting** Two hours

A beginning course in the operational fundamentals of the typewriter. This course includes basic machine operations, development of speed and control, vertical and horizontal centering, simple tabulation, memorandums, personal business letters, announcements, simple manuscripts, rough drafts and proof readers marks. No credit by examination.

102. **Intermediate Typewriting** Two hours

PR: S. S. 101 or Department Placement Test. This course includes the development of speed, control, and sustained typing, business letters, envelopes, tabulated reports, manuscripts, changing typewriter ribbon, and simple business forms. No credit by examination.

201. **Beginning Shorthand** Four hours

Beginning course in shorthand. Introduction of theory and brief forms of Gregg Diamond Jubilee Shorthand. Emphasis is on reading and writing of shorthand at 60 words per minute. Spelling, punctuation, and sentence structure are stressed. No credit by examination.

202. **Beginning Shorthand** Four hours

PR: 201 or Department Placement Test. Continuation of S. S. 201. Emphasis is on the writing of shorthand from dictation at a minimum of 80 words per minute. Spelling, punctuation, and sentence structure are stressed.

204. **Secretarial Accounting** Three hours

Designed to meet the needs of the terminal secretarial student. Trains in the fundamental accounting procedures that will be encountered by the secretary. It develops the understanding and interpretation of accounting principles. Cannot substitute for Business 201 or Business 202.

211. **Advanced Typewriting** Two hours

PR: 102. An advanced course in electric typewriting adapted to office procedures. This course includes the typing of telegrams, cards, statistical reports, tabulation, business letters with tabulated data, invoices, requisitions, typing of special reports, legal documents, changing typewriter ribbon, art typing, duplicating, office style, and sustained typing. No credit by examination.

251. **Business Correspondence** Two hours

PR: S. S. 102, English 102, 104. An analysis of the physical mechanics of the business letter. This course includes the writing of effective business letters in sales, collection letters, letters of application, telegrams, cablegrams, business reports, and post office services. No credit by examination.

301. **Advanced Shorthand and Transcription** Four hours

PR: S. S. 202 or 2 years of high school shorthand and departmental placement test. Emphasis is on the writing of shorthand at a minimum of 100 words per minute and producing mailable transcripts. Spelling, punctuation, and sentence structure are stressed. A complete review of brief forms and derivatives is included. Sustained dictation and transcription of a departmental business vocabulary is emphasized. No credit by examination.

302. **Advanced Shorthand and Transcription** Four hours

PR: S. S. 301. A continuation of S. S. 301. Emphasis is on dictation at a minimum of 120 words per minute and producing mailable transcripts. Sustained dictation and transcription of a vocational vocabulary is emphasized. No credit by examination.

303. **Principles and Practices of Filing** Two hours

Designed to train in the speed and accuracy of the latest filing procedures. Actual practice in Alphabetic, Subject, Numeric, and Geographic filing systems.

311. **Office Machines** Two hours

An orientation and practice course for students in the Business or Secretarial Studies areas. Approximately two-thirds of the course time is given to practice with representative calculating, duplicating and transcribing equipment. No credit by examination.

312. **Card Punching** Two hours

Primarily a course for skill training in the operation of electronic card-punching equipment. The course will also develop an understanding of unit record equipment, including sorting, collating, and accounting machines. The intensive training will provide proficiency in card punch machine operation.

314. **Dictation and Transcription** Two hours

PR: S. S. 301. A course combining the skills of shorthand, typewriting and English in the process of typewritten transcription. The course includes a systematic review of the major principles of shorthand with emphasis on spelling, punctuation, dictation transcription techniques.

351. **Secretarial Office Practice** Two hours

The course includes all phases of the office routine and procedures. Class lecture is supplemented by a field trip, films, and guest speakers from local and state industries.

351L **Secretarial Office Practice Lab.** One hour

A practical course with actual experience in an office. A total of

90 hours in supervised office work is required for credit in the course. Previous work experience cannot fulfill this requirement. Students enrolled in this course should limit their class load for this semester to 16 hours. Two-year students should plan to take this course their last semester in College; the A. B. and B. S. majors should plan to take this course their Junior year. PR: S. S. 211, 302, 351, 2.0 average in major, minor, and overall i. e. for all work attempted.

SOCIOLOGY

(Division of Social Science)

110. **Introductory Sociology** Three hours

A study of the structure, function, and change in culture and society.

200. **Social Problems** Three hours

A study of representative social dislocations in important areas of human relationships. PR: Soc. 110.

301. **Anthropology** Three hours

A study of human biological and social origins, including human prehistory, race, the origin and nature of culture, social organization among preliterate peoples, cultural diffusion, and culture change. PR: Soc. 110.

305. **Social Psychology** Three hours

A study of social structure and social interaction. Techniques of leadership and control will receive special study. PR: Soc. 110. Psychology 103 or Educ. 302 and 303 recommended.

310. **Marriage and the Family** Three hours

A study of the background, organization, and function of the American family. Courtship, marriage, marriage adjustment, parenthood, family disorganization and the effect of social change upon the family will be studied. PR: Soc. 110. Not open to students with credit in Home Ec. 310.

320. **Rural Sociology** Three hours

A study of the characteristics of rural society including its culture, social relationships, and institutions. Rural society is studied in comparison with urban society as a part of American Society. PR: Soc. 110, 200.

330. **Urban Sociology** Three hours

A study of the characteristics of urban society including its culture, social relationships and institutions. Urban society is studied in comparison with rural society as a part of the American Society. PR: Soc. 110, 200.

340. **Juvenile Delinquency** Three hours

A study of what society defines as delinquent behavior and of the young people designated as delinquents. Emphasis will be placed on the causes of delinquency and on the various techniques and methods of prevention, treatment, and rehabilitation. PR: Soc. 110, 200.

360. **The Field of Social Wrok** Three hours

A study of the history and development of social work with special emphasis upon modern social work agencies and the services which they render. Various types of social work will be considered from the standpoint of the prospective social worker. PR: Soc. 110, 200, Psych. 103.

370. **Social Welfare** as a **Social Institution** Three hours

The examination of the inter-relationship among various social welfare programs, policy issues, and the rate of social work in terms of the American social welfare system. PR: 360. This course may not be used for the social studies teaching field.

410. **Industrial Sociology** Three hours

A study of the organization, structure, function and social relationship found in the various areas of industrial activity in American society. The area of industrial relations will receive special emphasis. PR: Soc. 110.

430. **Community Organiztion** Three hours

A study of the structure and function of the various social groupings found in the community. The course is oriented toward the development of community leadership talent. PR: Soc. 110, 200.

450. **Minority Groups** Three hours

A study of racial and cultural minority groups in the United States with special emphasis upon understanding the cause of their persistence and the reason for majority-minority antagonisms. A study of the techniques whereby prejudices are developed and reduced will be made. PR: Soc. 110. 200.

470. **Sociological Theory** Three hours

A study of the theoretical basis of modern sociological thought, institutions and organizations. PR: Consent of Instructor.

480. **Social Casework** Three hours

A study of the theory, philosophy, goals, and techniques of the social case worker and an examination of the literature pertaining thereof. PR: 370. This course may not be used for the social studies teaching field.

485. **Practicum** Three hours

An examination of the social welfare agency in its daily operation complete with practical observation and experience. PR: 480. This course may not be used for the social studies teaching field.

490. **Seminar: Sociological Literature** Three hours

A course designed to use original sources and publications not primarily used as texts. PR: Soc. 470 or consent of instructor.

499. **Seminar: Special Problems in Sociology** Three hours

Open only for juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's need. PR: Soc. 470 or consent of instructor.

SPANISH

(Division of Language and Literature)

101. **Elementary Spanish** Three hours

Grammar, pronounciation, composition, translation. No credit toward graduation is given for Spanish 101 without 102.

102. **Elementary Spanish** Three hours

PR: Spanish 101 or one year of high school Spanish.

201. **Modern Spanish** Three hours

Rapid reading, grammar and conversation. PR: Spanish 101 and 102 or two years of high school Spanish.

202. **Modern Spanish** Three hours

PR: Spanish 201.

SPEECH

(Department of Speech and Drama)

101. **Fundamentals of Speech** Three hours

This course includes the elementary phases of oral language training. Analysis of contemporary speeches, listening skills, short speeches, enunciation, and pronunciation.

105. **Voice and Diction** Three hours

Theory and practice of speech science to provide basic information prerequisite to further speech study and to improve the skills of the speaking voice. Required of speech majors, minors; open to music students.

107. **Speech Improvement** Two hours

Designed for students who wish to improve the quality of their speaking voices. Training in pronunciation, enunciation, and voice production in order to develop standard speech. Therapy for major speech defects is not administered. May not be substituted for Speech 105.

120. **Theatre Appreciation** Two hours

Study of drama as it occurs on stage, in movies, and in radio and television in order to form a critical appreciation of its purposes and effects.

151. **Play Production** Two hours

Play production methods for the educational theatre. Theory and practical experience in the mounting of plays for public performance. Required of all speech majors and minors.

152. **Theatre Workshop I, IV** Variable Credit

Directed, practical experience in production of plays for public performance. Scenery design and construction, lighting, properties, costuming, etc. PR: Speech 151 or permission of instructor.

210. **Advanced Spoken English** Three hours

Development of ability to communicate in clear, effective, correct English; with emphasis on preparation and delivery of representative types of speech. Special attention given to speech problems of teachers and their students. PR: English 102-104. Required of all A. B. in Education students.

221. **Oral Interpretation** Two hours

A study of the principles involved in the effective transmission of thoughts from the printed page to an audience. Required of all speech majors and minors.

222. **Advanced Oral Interpretation** Two hours

A study of special problems of interpretation in the areas of dramatic literature, prose, and poetry.

237. **Effective Speaking** Two hours

Designed to give advanced speech students training in preparation and presentation of persuasive speeches. Required of all speech majors and minors.

243. **Debate** Two hours

Theory and practice of argumentation and debate. Required of all speech majors and minors.

244. **Intercollegiate Debate** Variable credit

Training for and participation in individual debates with teams from other colleges and universities and tournament debating throughout the Eastern United States.

245. **Oratory** Variable credit

Study of origin, historical influences, and changing aims of oratory. Practice in development of memorized speeches for competition. Required of all speech majors and minors.

251. **Acting** Two hours

Theories and methods of acting for the stage. Practical acting experience in student and faculty directed scenes and one-acts. Required of A. B. in Education Speech majors.

252. **Acting Workshop** Variable credit

Practical experience acting in school productions.

301. **Make-up** One hour

Fundamentals of theory and technique of applying theatrical make-up, including laboratory and practical experience.

301L. **Advanced Make-up** One hour

Application of theatrical make-up for public performances.

321. **Summer Theatre: Rehearsal and Performance** One-Three hours

Systematic rehearsal and public performance with the Masquers Town and Gown Summer Theatre. Designed for students who desire stage training and experience.

322. **Summer Theatre: Production and Management** One-Three hours

Experience in every phase of theatrical production and some phases of theatre management. Experience includes set designing and constructing, lighting, constuming, make-up, box office, house managing, and publicity.

330. **Fundamentals of Radio and Television** Two hours

A familiarization course in modern studio practice, use of broadcasting and recording equipment, and preparation of programs, with some work in radio and television speech and announcing. Required of all speech majors and minors.

331. **Children's Drama** Two hours

The theory and observation of the arts of creative drama for children and children's theatre.

331L. **Children's Drama Laboratory** One hour

Practical experience in the arts of creative drama for children and children's theatre. PR: Speech 331 or permission of instructor.

334. **Radio and Television Production** Two hours

Production of and participation in actual broadcasts. A study of the techniques used in programming, directing, continuity writing, and music and sound effects. PR: 2 hours of speech or permission of instructor.

334L. **Radio and Television Production Laboratory** One hour

Continuation of Speech 334 with extensive studio practice.

336. **Play Directing** Two hours

Principles and techniques of play directing. Special attention given to directing problems in educational theatre; play selection, budgeting, casting, mounting and staging, public relations, and coordination of crafts. Required of all speech majors and minors. PR: Speech 151 or permission of instructor.

336L. **Play Directing Laboratory** One hour

Direction and public presentation of a one-act play. Required of all speech majors and minors. PR: Speech 336.

401. **Extemporaneous Speaking** One hour

Study of origin, aim and development of extemporaneous speeches. Preparation for competition. PR: Speech 101 or permission of instructor.

430. **Speech Correction** Three hours

An introduction to the field of speech therapy. Emphasis placed on indentification of all speech defects, their diagnoses, and preventive and remedial techniques. Required of all speech majors and minors.

431. **Methods and Materials in Teaching Speech** Two hours

Philosophy, methods and materials of teaching speech in the secondary schools.

440. **Speech and Dramatics Seminar** One hour

Directed study in any of the five fields of speech: public address, speech correction, interpretation, theatre, or radio-television. Designed for Junior and Senior Speech majors and minors. PR: Permission of instructor.

CAMPUS ACTIVITIES

STUDENT GOVERNMENT ORGANIZATIONS

The Student Government Organization is composed of all students regularly enrolled in Fairmont State College. All of its officers are students and all business is conducted by them. Through this organization student programs and many other activities are undertaken. A student activity fee is collected from all students. This fee covers the cost of student activities and entitles the student to attend all athletic contests, major dramatic productions, and other special programs.

STUDENT COUNCIL

The Student Council is the executive board of the student government organization. It consists of five student body officers, all class presidents and vice presidents, one member elected by the interfraternity-panhellenic council, one member elected by the honorary and professional organizations, one man and one woman elected by the non-fraternity group, one woman elected by the Associated Women Students, and one faculty advisor appointed by the President of the College.

One of the principal assignments of the Student Council is to meet annually to determine the allocation of the student activity funds among the various campus activities and organizations. The budgets prepared are then published so that all students may know for what purposes their fees are being used.

STUDENT AND FACULTY SOCIAL CABINET

The Student-Faculty Social Cabinet is composed of representatives of students and faculty under the chairmanship of the vice president of the Student Council. The campus social program for the school year is arranged through this cabinet.

INTERFRATERNITY-PANHELLENIC COUNCIL

The Interfraternity-Panhellenic Council is an organization of all Greek letter social organizations. It governs the joint activities of the social fraternities and sororities.

CLASS ORGANIZATIONS

Each academic class has assigned activities and operates through its officers and the student government.

CLUBS AND HONOR SOCIETIES

Fairmont State College students have organized a number of clubs and honorary organizations for the promotion of interest in various subject matter fields, for the recognition of outstanding achievement in various campus activities, and for general social purposes. A list of the currently active organizations of this character follows:

Clubs

Academy of Science
Future Teachers of America
Home Economics Club
Independents
Industrial Arts Club
Letterman's Club
Masquers (Drama)
Music Educators National Conference
Newman Center
Phi Epsilon Chi (Women's P.E. Club)
Pi Kappa Phi (Language)
Student National State Education Association
United Campus Christian Fellowship
Wesley Foundation
Young Democrats
Young Republicans

Honorary and Recognition Societies

Alpha Alpha Alpha—Business
Alpha Phi Gamma—Journalism
Alpha Psi Omega—Dramatics
Beta Beta Beta—Biology
Blazers—Senior Women's Honorary
Die Wissenschaften—Scholarship
Epsilon Pi Tau—Industrial Arts Honorary
Kappa Delta Pi—Education
Kappa Gamma—Forensics
Alpha Lambda Sigma—Athletics
Lambda Delta Lambda—Physical Science
Pi Alpha Phi—Language
Pyramid Society—Men's Honorary
Sigma Tau Delta—English Honorary
Flames—Junior Women's Honary

SOCIAL ORGANIZATIONS

Fairmont State College students have organized and maintained a number of social fraternities and sororities. These organizations provide a medium for social activities and social training. They are regulated by the Men's and Women's Panhellenic Associations, which strive toward high standards of scholarship and leadership among the group and toward developing a good college spirit. These organizations are listed below:

Fraternities

Theta Xi (National)
Sigma Pi (National)
Sigma Tau Gamma (National)
Tau Beta Iota
Tau Kappa Epsilon (National)

Sororities

Alpha Xi Delta (National)
Delta Zeta (National)
Phi Mu (National)
Sigma Kappa (National)
Sigma Sigma Sigma (National)

RELIGIOUS INTERESTS

Fairmont State College maintains a close relationship with the religious organizations of the city. During Freshman Orientation ministers of local churches of all faiths are presented. Announcements of services and special programs are posted on a bulletin board in the administration building.

Organized groups on campus are The Newman Center for Roman Catholics, and The Wesley Foundation sponsored by the Methodist Church. Services of ministers in any capacity are available to the campus at all times.

PUBLICATIONS

The Columns is the student newspaper published semi-monthly throughout the regular college year with the exception of examination and vacation periods. The Publications Board, representing students and faculty, approves the selection of staff members from a list presented to the Board by the faculty adviser. Consideration is given to those students who have done acceptable work in journalism or who have had practical experience on publications. **The Columns** is named for the eight stately columns at the front of the Administration Building. It is financed by student fees and advertising.

The Mound is published annually by the students. The administrative officers of the staff are approved by the Publication Board from a list presented to the Board by the faculty adviser. All phases of college life are depicted in the annual, largely by pictures. It was named from an historic spot on a former campus. It is financed by student fees and advertising.

Appalachian Sketchbook is the campus literary publication, a magazine published each spring which includes student poetry, essays, and short stories. Editors are chosen by the English honorary and financing is by student fees.

The Student Handbook is compiled annually under the direction of the Student Council. It contains valuable information about Fairmont State College and its varied student activities. It is of real service to new students.

Bulletins, both daily and weekly, are posted on the bulletin boards prominently located in each building. These bulletins carry announcements of all student and faculty activities. Material for these should be left in Room 233A by noon Thursday. Bulletins are posted Friday morning for the following week. Students and faculty members should consult the Bulletin Boards daily for important announcements.

MUSIC ORGANIZATIONS

The Fairmont State College Band is a uniformed band of approximately 70 members. This organization is open to both men and women. Tryouts are held at various times throughout the year.

The musical organizations of Fairmont State College—the Chorus and the Collegiates—provide many opportunities for students interested in group singing. These groups present programs at the College assemblies, in neighboring communities, and on the radio. They also give annual public concerts. The Chorus is open to all students, but the "Collegiates" are composed of selected members of the College Chorus. Operas are produced annually.

Students may participate in college ensemble programs by successful try-out.

ORATORY

A stimulating and vital program in public speaking and oratory is encouraged both on a curricular and extra-curricular basis at Fairmont State College. Students make frequent appearances before churches and clubs, and speak on radio programs. An annual competition is held for the M. M. Neely Prize. (See contests.)

INTERCOLLEGIATE DEBATING—THE DEBATE CLUB

Fairmont State College provides a very active program in debating. The Debate Club gives interested students training and experience in the art of debating and several teams are organized each year to meet the teams of other colleges and universities of the United States and Canada. Fairmont teams annually participate in at least five major debate tournaments, several contract debates at home and away, and attend the West Virginia Intercollegiate Speech Festival at Jackson's Mill. Participation in debate is open to all students.

DRAMA

Fairmont's drama department has received national recognition, for here was organized in 1925 the national honorary drama fraternity Alpha Psi Omega. Also Delta Psi Omega, junior college drama honorary, and the Thespians, high school drama society, had their inception at Fairmont State College.

Each year the Masquers, the student drama organization, offers a full season of theatrical productions of varied style and period to student-community audiences. Also several student and faculty directed one-acts are presented throughout the season and are open to the public. Acting and production work for these plays are open to the student body and memberships in Masquers and Alpha Psi Omega are earned through participation in these theatre activities.

SUMMER THEATRE

During the summer term the Masquers Town and Gown Summer Theatre presents four major proudctions. Students enrolled in Summer Theatre (Speech 321-322) work with interested and experienced members of the community in order to bring a program of light summer theatre fare to Northern West Virginia theatre-goers.

In addition the drama department offers Saturday classes in theatre to children of the community between the ages of 5 and 15. These classes result in performances of scenes and one-acts by the children for the public.

ASSEMBLIES AND SPECIAL FEATURE PROGRAMS

A limited number of general assemblies are held each semester. The schedule is flexible insofar as the hour is needed for the meetings. The purpose of the assemblies is to provide programs of an educational or entertainment nature and to celebrate special occasions. The general chairman is a faculty member who acts as expediter of the year's program schedule. These programs, which are free to all students and faculty members, are financed by allotments from the student activity fund.

CONTESTS

The Frank C. Haymond Constitutional Essay Contest

In order to encourage a greater interest in and appreciation of the United State Constitution, Judge Frank C. Haymond has established annual awards of $50, $25, and $10 for the three best papers submitted on the general theme "The Constitution," by regularly enrolled students. Papers are required to be from one thousand to thirty five hundred words in length and are due on or before April 15 each year. Interested students should apply to the chairman of the Division of Social Science.

The M. M. Neely Oration Contest

For many years the late Senator M. M. Neely offered an award of $100 dollars for excellence in oratory. It is hoped that this contest, open to all regularly enrolled students of the College, may be continued. A faculty committee is in charge of this contest. Interested students should apply to the chairman of the Speech and Dramatics Department.

COLLEGE RADIO PROGRAM

"Campus Highlights," a weekly radio program, is produced by the radio department of Fairmont State College. It has been a regular feature of Station WMMN since 1929. These programs are for the most part student productions. Any student at Fairmont State College may audition for radio work.

In addition to the radio programs the college presents a number of television shows each year through the facilities of stations WBOY, Clarksburg, and WDTV, Weston.

INTRAMURAL SPORTS

A regular program of intramural sports is sponsored for the benefit of all students. Teams, contests, and various activities are organized for competitive play among the various groups and organizations. The pool is open for intramural and recreational swimming at certain times. Such facilities as the conditioning room are open for individual and group participation. This is under the supervision of staff members who direct the overall program. Individual participation with selected equipment is in the offering for those interested and concerned with their own development, and not with team participation.

The intramural program includes the following activities: speedball, touch football, tennis, volleyball, basketball, relays, softball, horseshoes, outdoor track, badminton, swimming, archery and foul throwing.

The college realizes that its curricula must be designed to meet the educational needs of the integrated personality of the individual student; this type of intramurals affords such an opportunity.

As the demand for more activities develops the facilities will be increased and the program broadened.

INTERCOLLEGIATE SPORTS

Fairmont State College sponsors an intercollegiate athletic program in football, basketball, baseball, cross country, golf, tennis, soccer, swimming, track, and wrestling. There are unusually fine indoor and outdoor facilities and equipment for physical education and recreation. Every young man in college is free to participate in any one or more of the intercollegiate sports and in all recreational activities. Men making up the different teams are not a pre-selected group.

ATHLETIC POLICY

The program of intercollegiate sports at Fairmont State College is supervised by a director of athletics. He is assisted in the planning of the program by an athletic committee of the general faculty, and he is assisted in the coaching by four full-time members of the physical education and recreation departments and by part-time coaches of tennis, golf, soccer and bowling drawn from other qualified members of the staff.

The general objectives of the intercollegiate sports program at Fairmont State College are to teach young men the values of sportsmanship, good physical conditioning, and the disciplinary and social values of organized team play. Specific values include the training afforded prospective coaches and physical education instructors through participation, and the possible acquisition, to some extent, of experiences and skills which may furnish recreational outlets following graduation.

In pursuance of the policies recommended by the North Central Association, the following minimum standards governing intercollegiate athletics are maintained:

1. The ultimate responsibility for the conduct of the athletic program rests with the President.

2. The members of the coaching staff are regular members of the faculty and have the same professional status, qualifications, salaries, and tenure as other faculty members.
3. Students participating in athletics are admitted by the Director of Admissions on the same basis as other students. Athletes are required to maintain the same academic standards as non-athletes.
4. The award of scholarships, student loans, and student employment to an athlete is made through the same agency of the College and on the same basis as grants of aid to all other students. All employed students are required to give full and honest work for pay received.
5. All athletic funds are handled by the Business Manager of the College. An audit of the receipts and disbursements of these funds is made annually by the auditors of the West Virginia Tax Commissioner for the benefit of the West Virginia Board of Education and other interested parties.
6. The College does not bring prospective athletes to the campus for tryouts, nor does it pay the expenses involved in college visitations by such persons.
7. An effort is made to compete only with colleges having similar educational and athletic policies.
8. Fairmont State College is a member of the West Virginia Intercollegiate Athletic Conference, and athletic participation is regulated and controlled by the eligibility rules of the Conference. Copies of these rules are on file in the Office of the Director of Athletics.

AWARDS

At Recognition Day exercises, held near the close of each college year, awards are granted to students for outstanding achievements in various campus activities. Among these awards are the following:

For outstanding achievements in scholarship, leadership, service, and character, gold keys are presented to the Four Outstanding Seniors, selected by a faculty-student committee; certificates to the seniors elected to Who's Who Among Students in American Colleges and Universities; American Legion Medals to a senior man and senior woman; MENC plaque presented to outstanding senior music major.

Letters are given to the five band members who have achieved a 3.0 average for at least five semesters; medals and other prizes to outstanding students in business administration, science, secretarial practices; cash awards by the Fairmont Woman's Club to the best freshman writer, to the most worthy senior girl by the American Association of University Women's Club through their Edna Earl Lowe Memorial fund, the Louise Leonard Memorial award for best achievement in elementary education.

At the same time special recognition is given to those freshmen who achieved a quality point average of 3.5, or better during the first semester of their beginning year. The Blazers, senior women's honor society, announces at this time the names of the women of the junior class elected to the organization; and the Pyramid Society, men's honor society, names its new members and recognizes the outstanding freshman man of the year.

Athletic awards are usually made during special sessions at athletic contests or at the annual athletic banquet.

ALUMNI

The Alumni Association of Fairmont State College is the official organization of all graduates and former students of the "old" Fairmont State Normal School, Fairmont State Teachers College, and Fairmont State College.

The history of the Alumni Association goes back almost to the founding of the institution. A meeting was held on Commencement Day, June 27, 1873, at which time the twenty-nine graduates formed the Association.

Events of special interest to Alumni members include the Annual Homecoming celebration held in the fall semester. An Alumni Luncheon and a recrption for the graduates, the alumni, and friends of the college are events of Commencement Week. A Fairmont State College open house is held in connection with the annual meeting of the West Virginia Education Association.

Information concerning the Alumni Association may be had by writing to the Alumni Secretary, Fairmont State College, Fairmont, West Virginia.

SPECIAL SERVICES

THE SUMMER SESSION

Fairmont State College offers a ten-week summer session each summer. This session is made up of two terms of five weeks each. The requirements for admission and the character of the work offered are the same for the summer session as for the regular year. Credit may be earned in all departments toward the bachelor's degree.

All activities and facilities of the campus are available to students during the summer session. The student body is organized under its own leadership at the beginning of each session. Under their leaders, and certain members of the faculty, a general program of social, recreational, and dramatic events is scheduled.

Special bulletins for the summer session are prepared for distribution. Those interested in working toward a degree, or in renewal of certificates, or in pre-profession courses, write for the Summer Bulletin. Address, Registrar, Fairmont State College, Fairmont, W. Va.

EVENING CLASSES

Evening classes are operated for the benefit of persons whose employment makes attendance in regular day classes impossible. These classes are considered as work done in residence.

EXTENSION CLASSES

Upon request, and when it is possible to provide suitable staff, Fairmont State College will offer off-campus courses to interested groups in the general area of the state it serves. Ordinarily, an enrollment of ten or more persons is necessary before any extension courses may be offered.

Extension courses may be taken either for credit or without credit, excepting those courses listed definitely as non-credit courses. Students enrolling in extension courses for credit must satisfy all the requirements for admission to Fairmont State College. The work given for credit in extension courses corresponds, as to class requirements, with that given in similar courses on the campus. The credit, however, is recorded as extension credit, and not more than 28 hours of such credit may be included in any student's 128 hour requirement for graduation.

INTERNATIONAL EDUCATION

Fairmont State College is a member of the Regional Council for International Education. Faculty members may participate in an annual inservice area study, seminars abroad, faculty exchange programs, and a teaching year abroad. The campus in general profits from a visiting foreign scholar program and the development of an inter-cultural library. In October of 1967, the visiting scholar was Dr. Donald M'Timkulu, a sociologist from Zambia.

Through this association, opportunities are made available to students for a Study Year Abroad, summer study and work abroad, and orientation seminars for students from abroad. Experience with bilateral university to university relationships has reflected too narrow a range of impact in which the vast majority of American universities, and particularly the smaller colleges, have been unable to share. The contribution of the Regional Council to the correction of this situation has been the development of the concept of Regional Council centers abroad. The overseas centers are educational-administrative offices with physical facilities, staff, and associations with the local, national and regional academic societies. Such centers can help the Regional Council member institutions implement their needs and interests in the international component of higher education by providing overseas outlets for activities. Through these Regional Council centers, each member institution can share in the relationships developed through the center abroad with the universities and other academic and cultural organizations within the region of each center. The centers become, in fact, avenues to wide and varied opportunities designed to meet the particular needs of the Regional Council constituents.

The first such center abroad was founded in Basel, Switzerland in February of 1965. This center serves as the locus for the Study Year Abroad, an undergraduate program for social science majors. Recently, agreements have been reached for centers in Belgrade, Yugoslavia; New Delhi, India; and Taipei, Taiwan. In the future it is expected that centers will be organized in Japan, Latin America, Africa, and the Middle East. Each center will have its own unique function and range of activities in keeping with the world region in which it is located. The Regional Council believes that the concept of centers abroad will provide the means by which it can bring all of its member institutions into meaningful international association. Hence the centers abroad offer a new base upon which to broaden generally mutual international educational experiences.

FACULTY MEMBERS

Allen, Joe C., (1965), *Assistant Professor of Commerce;* B.S., Pfeiffer College; M.A., Appalachian State Teachers College.

Amos, Raymond E., Jr., (1965), *Assistant Professor of Biology;* B.S., Fairmont State College; M.S., and Ph.D., West Virginia University.

Anderson, Patricia M., (1965), *Instructor of Nursing Education;* B.S., Medical College of Virginia.

Arnold, Eugene R., (1967), *Professor of Education;* A.B., West Virginia State College; M.Ed., University of Cincinnati; D.Ed., University of Pittsburgh.

Beardsley, William J., (1967), *Instructor of English;* B.A., M.A., West Virginia University.

Brand, Pauline H., (1964), Assistant Librarian; *Assistant Professor of Library Science;* B.A., Fairmont State College; M.A., West Virginia University; M.L.S., University of Pittsburgh.

Brooks, James, (1964), *Assistant Professor of Art;* B.F.A., M.F.A., State University of Iowa.

Bundy, Joseph, (1966), *Instructor of Physical Education;* B.A., Fairmont State College, M.A., West Virginia University.

Burgess, Wayland, D. Jr., (1966), *Associate Professor of Education* and Coordinator of Instructional Services; B.A., Morris Harvey College; M.A., Marshall University.

Burns, Doris, (1966), *Instructor of Commerce;* B. A., Marshall University; M.A., West Virginia University.

Burns, Ruth A., (1965), *Instructor of Commerce;* B.A., Fairmont State College; M.A., West Virginia University.

Cain, Ronald L., (1966), *Instructor of Technical Education;* B.S.E.E., West Virginia University.

Campbell, Donald L., (1966), *Instructor of Physics;* B.S., West Liberty State College; M.S., West Virginia University.

Cannon, George E., (1962), *Associate Professor of Psychology;* B.A., Fairmont State College; M.A., West Virginia University.

Cavanaugh, Jean C., (1967), *Professor of English;* B.A., Webster College; M.A., St. Louis University; Ph.D., The Catholic University.

Chapman, Ernest E., (1967), *Assistant Professor of Political Science;* B.S.F.S., Georgetown University; B.A., University of California at Berkeley; M.S. Ed., University of Southern California; Ph.D., University of Southern California.

Clarke, Paul A., (1967), *Professor of Education;* B.S., St. Mary's College; M.Ed. University of Maryland; D.Ed., University of Maryland.

Clough, Peter H., (1967), *Instructor of Speech and Drama;* B.S., M.A., University of Maine.

Collins, Edmund E., (1949), *Professor of Physical Science;* B.A., M.A., West Virginia University; Ed.D., University of Pittsburgh.

Conn, Robert H., (1966), *Assistant Professor of Foreign Languages;* B.A., M.A., West Virginia University.

Conrad, Hunter J., (1961), Director of Student Personnel and Placement; *Associate Professor of Education;* B.A., Glenville State College; M.A., West Virginia University.

Copeland, Margaret E., (1952), Acting Chairman, Division of Languages and Literature; *Assistant Professor of English;* B.A., West Virginia University; M.Ed., University of Mississippi.

Cox, Homer W., (1959), *Business Manager;* B.S., Marshall University.

Creasy, William D., (1954), *Professor of Biology;* B.S., West Virginia Institute of Technology; M.S., West Virginia University; Ph.D., State University of Iowa.

Davisson, A. Paul, (1947) *Associate Professor of Biology;* B.S., University of Kentucky; B.A., Fairmont State College; M.S., West Virginia University.

Dillon, Roxy Downs, (1961), Dean of Women; *Assistant Professor of Education;* B.A., Fairmont State College; B.S., and M.A., West Virginia University.

Dodge, Margaret, (1965), *Instructor of Nursing Education;* B.S., West Virginia University.

Donoghue, Dennis J., (1965), *Assistant Professor of Political Science;* B.S., M.A., Central Michigan University.

Doolittle, Margaret T., (1966), *Assistant Professor of Education;* B.A., Glenville State College; M.A., West Virginia University.

Duling, Galen F., (1964), Director of Teacher Education; *Associate Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

Dumire, Jane, (1966), *Instructor of English;* B.A., Bethany College; M.S., West Virginia University.

Dunlevy, James O., (1965), *Instructor of Mathematics;* B.S., College of Steubenville; M.A., Arizona State College.

Dunn, Billy G., (1956), *Professor of Business* and Director of Institutional Research; B.S., Concord College; M.S., University of Kentucky; Ed.D., West Virginia University.

Duvall, Harold S., (1952), *Associate Professor of Physical Education;* B.A., Fairmont State College; M.A., Columbia University.

Eckles, Larry Edward, Jr., (1964), *Professor of Languages;* B.A., and M.A., Western Reserve University; Ph.D., University of Paris.

Edgell, Fred B., (1962), *Professor of English;* B.A., Salem College; M.A., West Virginia University; Ph.D., Ohio State University.

Edwards, Paul E., (1967), *Assistant Professor of History;* B.A., Willamette University; M.A., American University.

Feaster, Eston K., (1960), *President;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., The George Washington University.

Ford, Eleanor M., (1946), *Associate Professor of Physics;* B.S., M.S., West Virginia University.

Fowler, Dwight, (1956), Director, Division of Technical-Industrial Education; *Associate Professor of Technical-Industrial Education;* B.S., West Virginia Institute of Technology; M.Ed., Wayne University.

Frye, Neil, (1961), *Assistant Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

Givens, Ruth J., (1966), *Instructor of English;* B.A., Fairmont State College; M.A., West Virginia University.

Gragson, Wesley M., (1957), *Associate Professor of Music;* B.S., Western Kentucky State College; Mus. M., West Virginia University.

Green, Paul J., (1967), *Assistant Professor of Chemistry and Physical Science;* B.S., St. Joseph's College; Ph.D., West Virginia University.

Grimsley, Barbara, (1965), *Instructor of Nursing Education;* B.S., West Virginia University.

Gulas, William M., (1965), *Instructor of Mathematics;* M.S., West Virginia University.

Haines, Billy L., (1966), *Instructor of History;* B.A., M.A., West Virginia University.

Hales, James A., (1964), *Assistant Professor of Industrial Arts;* B.S., M.A., Kent State University.

Hall, Gertrude, (1950), *Associate Professor of Home Economics;* B.A., Fairmont State College; M.A., Columbia University.

Hamilton, Ernest, (1966), *Instructor of English;* M.A., Punjab University.

Hanson, Ray R., Jr., (1967), *Assistantant Professor of English;* B.A., Davis and Elkins College; B.D., Union Theological Seminary; M.A., Marshall University.

HELM, PAULA, (1967), *Instructor of English;* B.A., M.A., Western Kentucky University.

HERRING, LEWIS, (1967), *Assistant Professor of Technical-Industrial Education;* B.S., Texas College of Arts and Industries; M.Ed., University of Texas.

HESS, MELVA, (1951), *Assistant Professor of Home Economics;* B.A., Fairmont State College; M.S., West Virginia University.

HOUSE, CLIFFORD R., JR., (1947), *Associate Professor of Philosophy and English;* B.A., Kentucky Wesleyan College; M.Ed., University of Cincinnati; M.R.E., University of Pittsburgh.

JAYNES, EDGAR N., (1947), Chairman, Division of Commerce and Home Economics; *Professor of Business and Economics;* B.A., West Virginia; M.B.A., Boston University.

JOHNSON, CYRIL W., (1947), Chairman, Industrial Arts Education; *Associate Professor of Industrial Arts;* B.S., Stout Institute; M.A., Ohio State University.

JONES, MARILYNN, (1966), *Instructor of English;* B.A., Fairmont State College; M.A., West Virginia University.

KERR, JOSEPH R., (1966), *Instructor of Sociology;* B.A., M.A., West Virginia University.

KERR, WILLIAM H., (1963), *Assistant Professor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

KING, VERNEDA C., (1967), *Instructor of Commerce;* B.A., Fairmont State College; M.Ed., University of Arizona.

LARUE, JAMES A., (1954), Chairman, Division of Science and Mathematics; *Professor of Mathematics;* B.A., and M.S., West Virginia University; Ph.D., University of Pittsburgh.

LAUGHLIN, WILLIAM M., JR., (1966), *Instructor of Commerce;* B.A., College of William and Mary; M.A., University of Cincinnati.

LENGEL, RICHARD R., (1966), *Instructor of History;* B.A., M.A., Sul Ross State College.

LEONARD, LOY W., (1956), *Assistant Professor of Industrial Arts;* B.A., Fairmont State College; M.A., West Virginia University.

LOUGH, JO ANN, (1956), Acting Chairman, Department of Speech and Dramatics; *Assistant Professor of Speech and Dramatics;* B.A., Fairmont State College; M.A., West Virginia University.

LUCAS, AILEEN, (1964), Assistant Librarian; *Assistant Professor of Library Science;* B.A., Marietta College; B.S.L.S., George Peabody College.

MARKOVICH, TERRENCE M., (1967), *Instructor of Speech and Dramatics;* B.A., University of Minnesota; M.A., Temple University.

MARPLE, CLORA, (1954), *Assistant Professor of Education;* B.A., Glenville State College; M.A., West Virginia University.

MASON, FRANCES L., (1962), *Assistant Professor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

MASSAY, GLENN F., (1965), Acting Chairman, Division of Social Sciences; *Assistant Professor of History;* B.S., California State College, M.A., West Virginia University.

MAYS, PATRICIA J., (1967), *Instructor of Nursing Education;* B.S., Alderson-Broaddus College.

MCCARTHY, KEVIN, (1967), *Assistant Professor of Music;* B.M., Notre Dame University; M.M., Michigan State University.

MCKOWN, GARY L., (1963), *Assistant Professor of Chemistry;* B.S., Ph.D., West Virginia University.

MCLAUGHLIN, EARL G., (1967), *Assistant Professor of Education;* B.A., Glenville State College; M.A., West Virginia University.

MILAM, OTIS H., JR., (1953), Registrar and Director of Admissions; *Associate Professor of Education;* B.S., West Virginia University; M.A., Marshall University.

MILLER, FRED R., (1966), *Instructor of Speech;* B.A., Fairmont State College; M.A., Miami University.

MILLER, GEORGE C., (1967), *Assistant Professor of Music;* B.M., M.M., West Virginia University.

MILLER, MARTHA, (1964), Director of Nursing Education; *Associate Professor of Nursing Education;* B.S.N., University of North Carolina; M.S., Western Reserve University

MONSHINE, MICHAEL A., (1967), *Instructor of History;* B.A., M.A. West Virginia University.

MOODY, FRANCES, (1962), *Assistant Professor of Music;* B.A., Concord College; M.A., Columbia University.

MORGAN, MARY ELINOR, (1965), *Instructor of History;* B.A., M.A., West Virginia University.

MORICK, KENNETH R., (1967) *Instructor of Commerce;* B.A., Moravian College; M.S., West Virginia University.

MORRISON, GEORGE H., (1966), *Instructor of English;* B.A., M.A., Marshall University.

Muehlbauer, Dorothy A., (1967), *Instructor of Mathematics;* B.A., Frederick College; M.A., West Virginia University.

Mukherjee, Tridib, (1967), *Instructor of Commerce;* B.A., Calcutta University; M.S., University of Maryland.

Naegele, Orville D., (1960), *Assistant Professor of Geology;* B.S., M.S., University of Cincinnati.

Nailler, Barbara E., (1966), *Assistant Professor of Education;* B.S., Adrian College; M.A., West Virginia University.

Neptune, Marlyn G., (1966), *Instructor of Physical Education;* B.S., M.S., West Virginia University.

Newcome, Mildred, (1966), *Instructor of English;* B.A., M.A., West Virginia University.

Nims, Bruce H., (1967), *Instructor of History;* B.A., Harvard College; M.A., Northwestern University.

Nutter, Barbara F., (1964), *Instructor of English;* B.A., Fairmont State College; M.A., West Virginia University.

Parkinson, Ada N., (1967), *Instructor of Mathematics;* B.S., California State College; M.S., West Virginia University.

Pell, Peter E., (1967), *Assistant Director of Student Personnel;* B.A., Fairmont State College; M.A., West Virginia University.

Petro, Flora, (1964), *Assistant Professor of Business Education;* B.A., Fairmont State College; M.A., West Virginia University.

Phillips, Walter F., Jr., (1966), *Instructor of Technical Education;* A.B., Fairmont State College; M.A., West Virginia University.

Phillips, William E., Jr., (1966), Assistant Director of Admissions and Registrar; *Assistant Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University.

Pollock, Norman, (1966), *Instructor of Sociology;* B.A., Fairmont State College; M.A., West Virginia University.

Poole, Rachel, (1967), *Instructor of English;* B.A., University of Pittsburgh; M.A., Northwestern University.

Potesta, Woodrow, (1948), *Associate Professor of Business and Economics;* B.S., LL.B., West Virginia University.

Powell, Ruth Ann, (1966), *Assistant Librarian;* B.A., Fairmont State College; M.L.S., Kent State University.

Priester, Harry G., (1967), *Assistant Professor of Education;* B.S., M.A., West Virginia University.

Pritchett, William H., (1967), *Assistant Professor of Biology;* B.S., Davidson College; Ph.D., University of Virginia.

Pulsifer, Jack R., (1965), *Assistant Professor of History;* B.A., Lamar State College of Technology; M.A., Northwestern University.

Retton, Joseph, Jr., (1963), *Assistant Professor of Physical Education;* B.A., Fairmont State College; M.A., West Virginia University.

Rhodes, Lillian L., (1951), *Associate Professor of Art;* B.S., Longwood College; M.A., Columbia University.

Rice, Alva J., (1967), *Assistant Business Manager,* B.S., Salem College.

Richards, Thomas J., (1965), *Instructor of Art;* B.A., M.A., Marshall University.

Robinson, Jay E., (1959), *Associate Professor of Music;* B.M., Western Michigan University; M.M.E., Indiana University.

Rosier, Josephine L., (1957), Librarian; *Associate Professor of Library Science;* B.A., West Virginia University; B.S.L.S., Columbia University.

Ruoff, William D., (1966), *Assistant Professor of Chemistry;* B.S., Albright College; M.S., Ph.D., University of Delaware.

Ryan, Carl W., (1967), *Assistant Professor of History;* B.S., Southeast Missouri State College; M.A., St. Louis University.

Ryan, Patricia, (1966), *Instructor of Political Science;* B.A., American University at Cairo; M.A., West Virginia University.

Salvati, Janet, (1967), Assistant Librarian and *Instructor of Library Science;* B.A., Fairmont State College; M.L.S., University of Pittsburgh.

Sansalone, Frank V., (1962), *Instructor of Commerce;* B.A., Fairmont State College; LL.B., West Virginia University.

Schneider, William J., (1962), *Assistant Professor of Mathematics;* B.A., Fairmont State College; M.S., West Virginia University.

Schultzbank, Philip, (1967), *Assistant Professor of Commerce; B.S., M.S.,* University of Tennessee.

Shaffer, William D., (1966), *Instructor of Psychology;* B.A., Fairmont State College; M.A., West Virginia University.

Sheets, Carolyn N., (1966), *Instructor of Music;* B.A., Marshall University; M.M., Northwestern University.

Simonof, Jean, (1967), Assistant Librarian and *Instructor of Library Science;* B.F.A., Moore College of Art; M.L.S., University of Pittsburgh.

Skaggs, Ruth, (1967), *Instructor of Home Economics;* B.S., M.S., West Virginia University.

Skinner, C. Waldon, (1967), Chairman, Division of Health and Physical Education; *Professor of Physical Education;* B.A., B.S., Fairmont State College; M.A., West Virginia University; Ph.D., Columbia University.

Snyder, James F., (1966), *Instructor of Technical Education;* B.S., Kent State University; M.A., Peabody College for Teachers.

Snyder, Robert B., (1967), *Instructor of Art;* B.A., Southwestern College at Memphis; M.A., University of Mississippi.

Snyder, Suzanne, (1962), *Assistant Professor of Speech;* B.A., Fairmont State College; M.A., University of Pittsburgh.

Straight, Earl N., (1961), *Associate Professor of Journalism* and Director of Public Relations; B.A., Fairmont State College; M.A., West Virginia University.

Strohl, Mary J., (1966), *Instructor of Mathematics;* B.S., University of Illinois; M.A., West Virginia University.

Swiger, Elizabeth Davis, (1956), *Professor of Chemistry;* B.S., M.S., and Ph.D., West Virginia University.

Taggart, Leo R., (1967), *Professor of Education;* B.S., M.Ed., D.Ed., University of Pittsburgh.

Taylor, J. Martin, (1946), *Professor of Education;* B.A., Fairmont State College; M.A., West Virginia University; Ed.D., University of Colorado.

Teahan, John M., (1967), *Instructor of English,* B.A., Manhattan College; M.A., Columbia University.

Teter, W. David, (1964), *Assistant Professor of Industrial Education;* B.S.M.E., M.S.M.E., West Virginia University.

Thompson, Christopher, (1967), *Instructor of Speech;* B.A., Knox College; M.A., Emerson College.

Trimble, George D., (1965), *Assistant Professor of English;* B.A., M.A., Marshall University.

Turley, George H., (1941), Dean of Men; *Associate Professor of Speech and Radio;* B.A., Fairmont State College; M.A., West Virginia University.

Turner, William P., Jr., (1955), Academic Dean; *Professor of History;* B.A., M.A., and Ph.D., West Virginia University.

Unruh, LeRoy, (1967), *Assistant Professor of Technical-Industrial Education;* B.S., Bethel College; M.S., Kansas State Teachers College.

VanHorn, Joanne, (1966), *Instructor of History;* B.A., and M.A., Marshall University.

Veasey, Marilee, (1966), *Instructor of Speech;* B.A., Fairmont State College; M.A., West Virginia University.

Wallman, Lawrence A., (1929), *Associate Professor of Speech and Dramatics;* B.A., M.A., West Virginia University.

Walters, Nelle E., (1947), *Associate Professor of Physical Education;* B.A., West Virginia University; M.A., George Peabody College.

Watson, Bart, (1966), *Instructor of English;* B.A., Fairmont State College; M.A., West Virginia University.

Wellock, Richard P., (1960), Chairman, Division of Fine Arts; *Associate Professor of Music;* B.S., Southwest Missouri State College; M.A., Columbia University.

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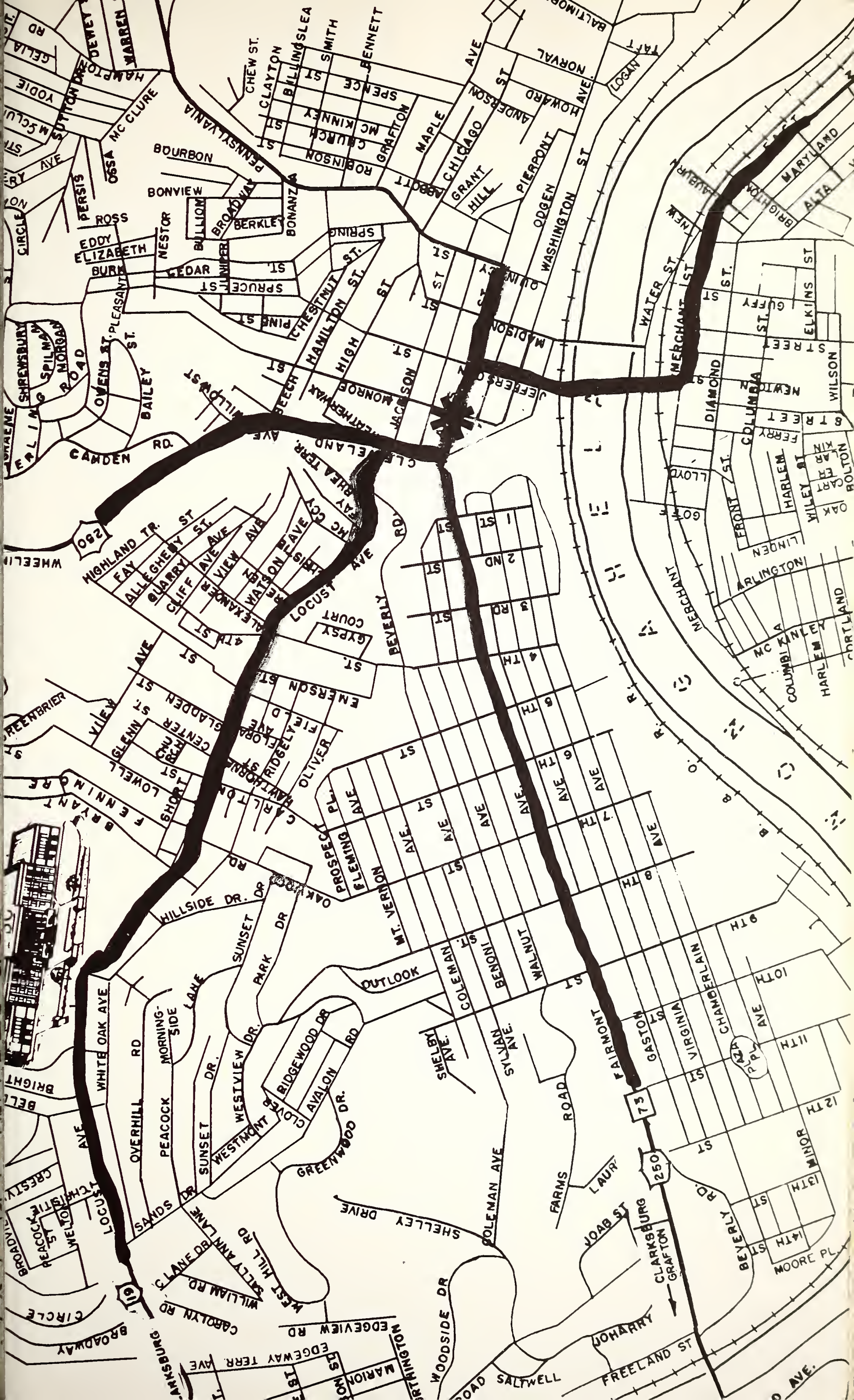
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